

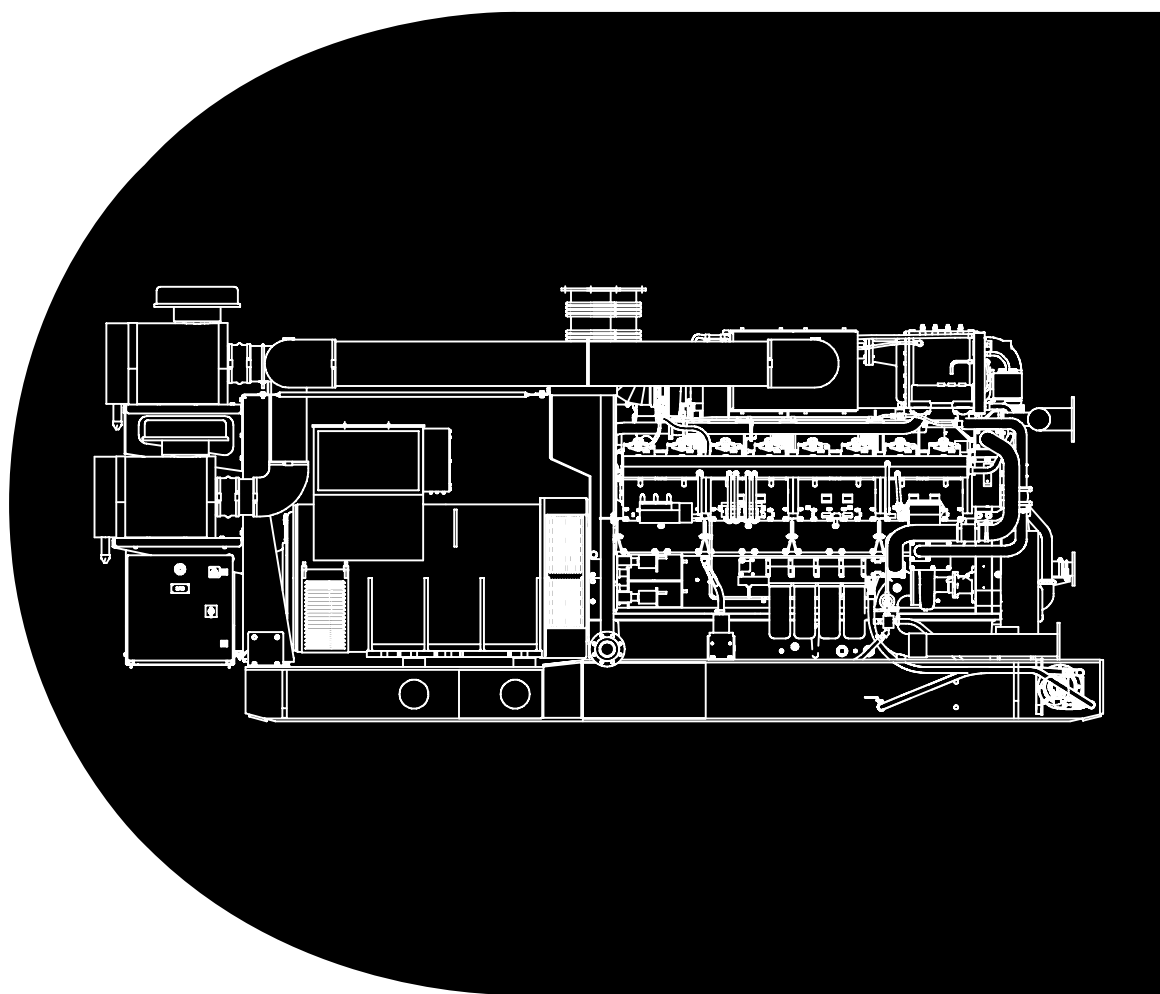
Parts Catalog

GenSet Model

GQKB (Spec A)

GQKC (Spec A)

with PowerCommand[®] Supervisor
PCS3100



Supplement 967–2004

Date: 10–02–2007

Insert with-

Title: GNAA, GNAB, GNAC Parts Catalog

Number: 967–0202D

PURPOSE

This publication adds supplementary information to the following pages of the GNAA, GNAB, GNAC Parts Catalog.

Pages: 17 – Added part number for Item 7 – 186–6087.

SUPPLEMENT USE

Refer to the corresponding pages of your manual and write “IMPORTANT: REFER TO SUPPLEMENT”.

Please keep this supplement with the Parts Catalog (967–0202D).

Cylinder Head

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Head Assy, Cylinder (Includes Parts Marked *)	17			Nut (M8)
	186-7013	1	GNAA		186-6095	4	GNAA
	186-7014	1	GNAB		186-6095	6	GNAB
	186-7015	1	GNAC		186-6095	8	GNAC
2			*Plate, Valve Spring	18			Lever, Rocker (Includes Pivot)
	186-6088	4	GNAA		186-6258	4	GNAA
	186-6088	6	GNAB		186-6094	6	GNAB
	186-6088	8	GNAC		186-6094	8	GNAC
3			*Seal, Valve Stem	19			Bolt (M10)
	186-6093	2	GNAA		186-6104	4	GNAA
	186-6093	3	GNAB		186-6104	6	GNAB
	186-6093	4	GNAC		186-6104	8	GNAC
4			*Spring, Valve	20			Spacer
	186-6089	4	GNAA		186-6107	4	GNAA
	186-6089	6	GNAB		186-6107	6	GNAB
	186-6089	8	GNAC		186-6107	8	GNAC
5			*Carrier, Valve Spring	21			Rubber, Head Sealing Tube
	186-6090	4	GNAA		186-6102	4	GNAA
	186-6090	6	GNAB		186-6102	6	GNAB
	186-6090	8	GNAC		186-6102	8	GNAC
6			*Cotter, Valve	22			Rod, Push
	186-6091	8	GNAA		186-6098	4	GNAA
	186-6091	12	GNAB		186-6098	6	GNAB
	186-6091	16	GNAC		186-6098	8	GNAC
7	186-6087		*Valve, Exhaust	23			Tube, Push Rod Sealing
8			*Valve, Inlet		186-6099	4	GNAA
	186-6758	2	GNAA		186-6099	6	GNAB
	186-6758	3	GNAB		186-6099	8	GNAC
	186-6758	4	GNAC	24			Rubber, Sealing Tube
9			*Insert, Exhaust Valve		186-6100	4	GNAA
	186-7005	2	GNAA		186-6100	6	GNAB
	186-7005	3	GNAB		186-6100	8	GNAC
	186-7005	4	GNAC	25			Washer
10			*Insert, Inlet Valve		186-6101	4	GNAA
	186-7004	2	GNAA		186-6101	6	GNAB
	186-7004	3	GNAB		186-6101	8	GNAC
	186-7004	4	GNAC	26			Tappet, Hydraulic
11			*Guide, Valve		186-6103	4	GNAA
	186-6092	4	GNAA		186-6103	6	GNAB
	186-6092	6	GNAB		186-6103	8	GNAC
	186-6092	8	GNAC	27			O'Ring
12			Gasket, Cylinder Head		186-6028	4	GNAA
	186-6109	1	GNAA		186-6028	6	GNAB
	186-6436	1	GNAB		186-6028	8	GNAC
	186-6112	1	GNAC	28			Nut
13			Bolt (M10)		186-6118	4	GNAA
	186-6105	2	GNAA		186-6118	6	GNAB
	186-6105	4	GNAB, GNAC		186-6118	8	GNAC
14			Bolt (M10)	29	186-6023	1	Cap, Oil Fill
	186-6106	2	GNAA, GNAB	30			Cover, Cylinder Head
	186-6106	4	GNAC		186-6792	1	GNAA
15			Nut, Hex (M8 x 1.25)				GNAB
	186-6020	2	GNAA, GNAB		186-6116	1	Single Cover
	186-6020	4	GNAC		186-6792	1	Double Cover
16			Eye, Lifting				GNAC
	186-6437	1	GNAA, GNAB		186-6116	2	Single Cover
	186-6437	2	GNAC		186-6792	1	Double Cover

MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Cummins Power Generation nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Cummins Power Generation manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



This symbol warns of immediate hazards which will result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS



Service and repair of Cummins Power Generation equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.



Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.



Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!



Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

PSP-1

Introduction

This catalog applies to Cummins Power Generation Generator Models GQKB and GQKC as listed in the Generator Set Data Table. Parts are arranged in groups of related items and each illustrated part is identified by a reference number corresponding to the same reference number in the parts list. Parts illustrations are typical. Unless otherwise mentioned in the description or page heading, parts are interchangeable between models. Throughout this catalog left and right sides are determined by facing the engine end (front) of the set unless noted in the description column.

Engine parts that have been modified or added by Cummins Power Generation are identified in this catalog. All other engine replacement parts must be ordered from the engine manufacturer by referring to the engine manufacturer's name-plate and supplying all available information. Contact your nearest engine parts distributor for assistance in ordering replacement parts.

Replacement Engine

Cummins Power Generation Generator Model	Cummins Engine Model
GQKB	QSK60G
GQKC	QSK60G

Generator Set Data Table

Model and Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
1000GQKB/*	1,000,000	#	60	12	3	24VDC
1100GQKC/*	1,100,000	#	60	12	3	24VDC
1400GQKC/*	1,400,000	#	50	12	3	24VDC

* – The diagonal line (/) in the model and specification number separates generator set characteristics from the specification number and letter. The specification number denotes customer requested options or deviations from the standard model. The specification letter advances (A to B, B to C, etc.) with major manufacturing changes.

– Broad range reconnectible

Copyright©2001 Cummins Power Generation. All rights reserved.

Index

B

Block, Terminal – Generator Heater, **53**
Block, Terminal – GIB ("A"), **66**
Block, Terminal – GIB ("B"), **67**
Block, Terminal – GIB ("C"), **68**
Block, Terminal – GIB ("D"), **69**
Block, Terminal – GIB ("E"), **70**
Block, Terminal – GIB ("F"), **71**
Block, Terminal – GIB ("G"), **72**
Block, Terminal – GIB ("H"), **73**
Block, Terminal – Power Supply, **24**
Box, GIB – 380V–440V (Illustration #1), **59**
Box, GIB – 380V–440V (Illustration #2), **61**
Box, GIB – 480V (Illustration #1), **63**
Box, GIB – 480V (Illustration #2), **65**
Box, Terminal – Generator Heater, **53**
Bus, L–L – GCP, **19**

C

Cables, Starter, **5**
Cartridge, Generator Heater, **53**
Cleaner, Air – Heavy Duty, **10**

E

Exhaust – Kit, **7**

F

Fasteners, Generator – 50Hz/60Hz P7F/G, **47**
Fasteners, Generator – MV7 P7E, **49**
Fasteners, Generator – P80, **51**
Frame, Battery, **6**
Frame, Cabinet, **18**

G

GCP, **11**
Generator, **52**
Guard, Damper, **43**

H

Harness, Alternator Heater, **56**
Harness, Interface, **57**
Harness, Wiring – AC, **54**
Harness, Wiring – Extension, **55**
Heater, Coolant – GQKB, **33**

Heater, Coolant – PH4 60Hz, **35**
Heater, Generator, **53**

I

Isolator, Vibration, **45**

L

Labels, GCP, **16**
Labels, Miscellaneous, **74**

M

Mounting, Engine, **4**

P

Paint, **3**
Panel, Control – <15KV, **20**
Panel, Control – 380–440V, 600V, **21**
Panel, Control – MVP7, **22**
Panel, Generator Control – GCP, **11**
PCS, **12**
PLC – Assembly, **13**
Power Supply, **23**

R

Relay, GCP – Assembly 1, **14**
Relay, GCP – Assembly 2, **15**

S

Sealant, Thread, **3**
Skid, Generator Set, **44**
System, Cooling – Flanges, **27, 29, 31**
System, Oil – Dirty Oil (Illustration #1), **39**
System, Oil – Dirty Oil – (Illustration #2), **41**
System, Oil – Make-Up, **37**
System, Oil – Oil Priming, **42**

T

Tool, Service – Selector Switch, **17**

V

Valve, Gas, **9**

Abbreviations

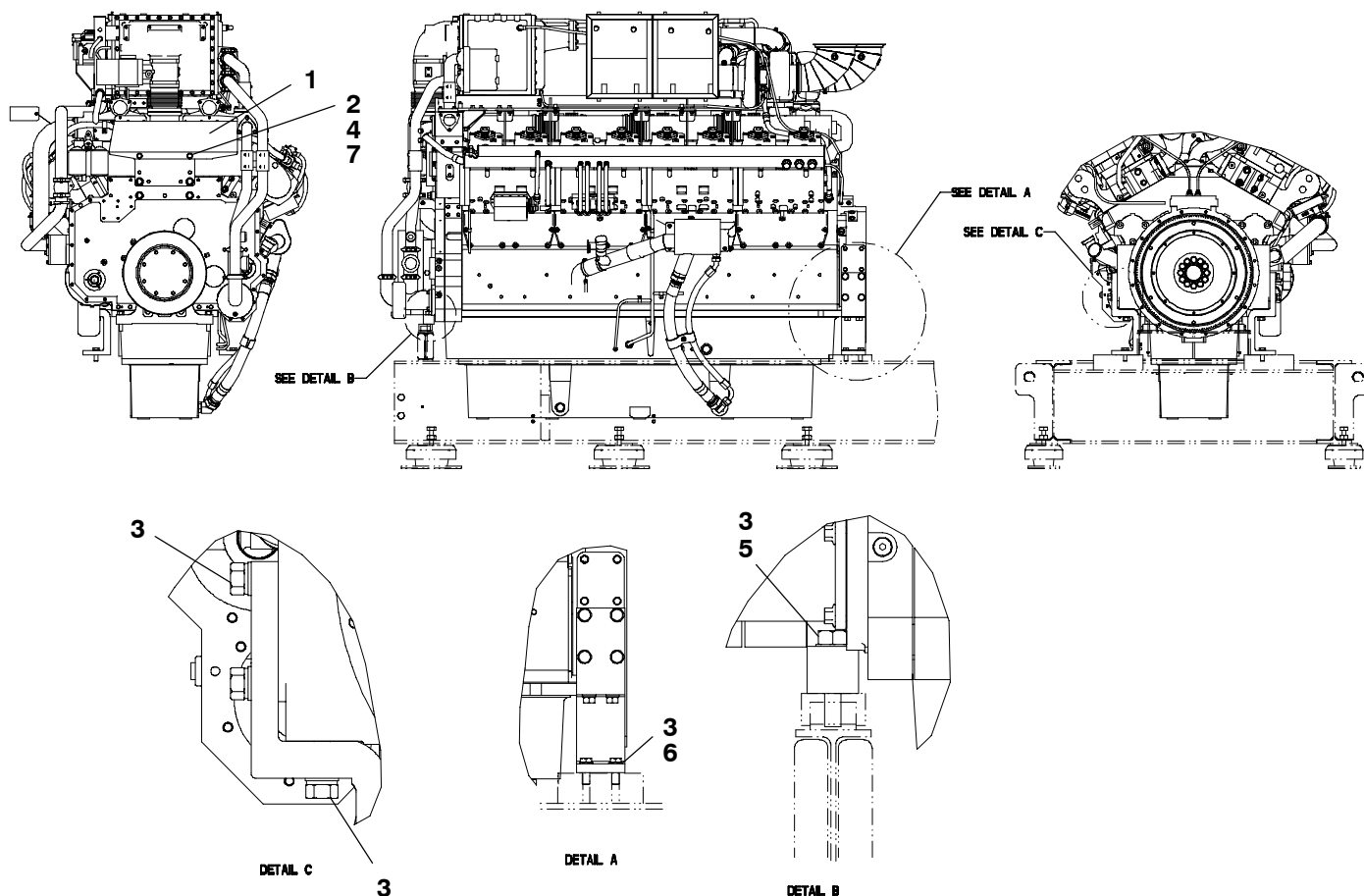
Some of the following abbreviations may be used throughout this Parts Catalog:

AC	Alternating Current	mm	Millimeter
Amp	Ampere	MOH	Mobile Off Highway
A/R	As Required	NFS	Not For Sale
AVR	Automatic Voltage Regulator	NPT	National Pipe Thread
AWG	American Wire Gauge	OD	Outside Diameter
DC	Direct Current	oz.	Ounce
Deg	Degree	PC	Printed Circuit
EFC	Electronic Fuel Control	Ph	Phase
EIT	External/Internal Tooth	PMG	Permanent Magnet Generator
EPROM	Erasable Programmable Read Only Memory	PT/CT	Potential Transformer/Current Transformer
ET	External Tooth	RFI	Radio Frequency Interference
GFI	Ground Fault Interrupter	RT	Right
ID	Inside Diameter	Spec	Specification
IEC	International Electrotechnical Commission	Thk	Thick
IT	Internal Tooth	UL	Underwriters Laboratories Inc.
kW	Kilowatt	UNC	Union National Coarse
LPG	Liquid Petroleum Gas	UNF	Union National Fine
LT	Left	VAC	Volts Alternating Current
M(meter number)	Meter	VDC	Volts Direct Current
		W/(ET, IT, EIT)	With

Paint and Thread Sealant

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Onan Green Enamel (Non-Metallic)	518-0601	-		Sealant, Thread (6 ml Tube)
	525-0305	-	12 oz. Pressurized Spray Can				
	525-0306	-	Quart Can				
	525-0304	-	Gallon Can				

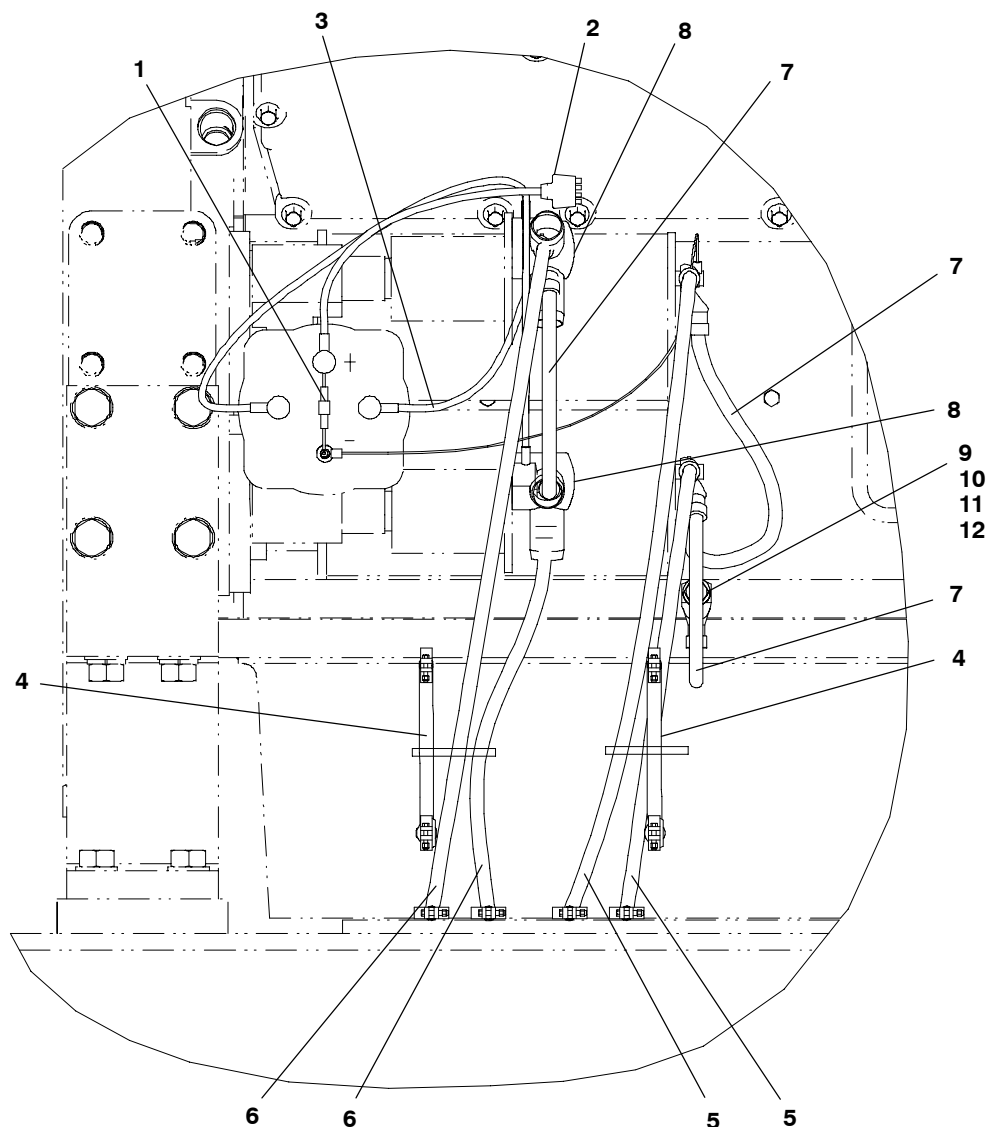
Engine Mounting



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1286-02	1	Guard, Regulator
2	526-0399-66	2	Washer, Flat (M16)
3	526-0399-70	6	Washer, Flat (M20)
4	800-3017-73	2	Screw, Hex Head (M16 x 2.0 x 45)

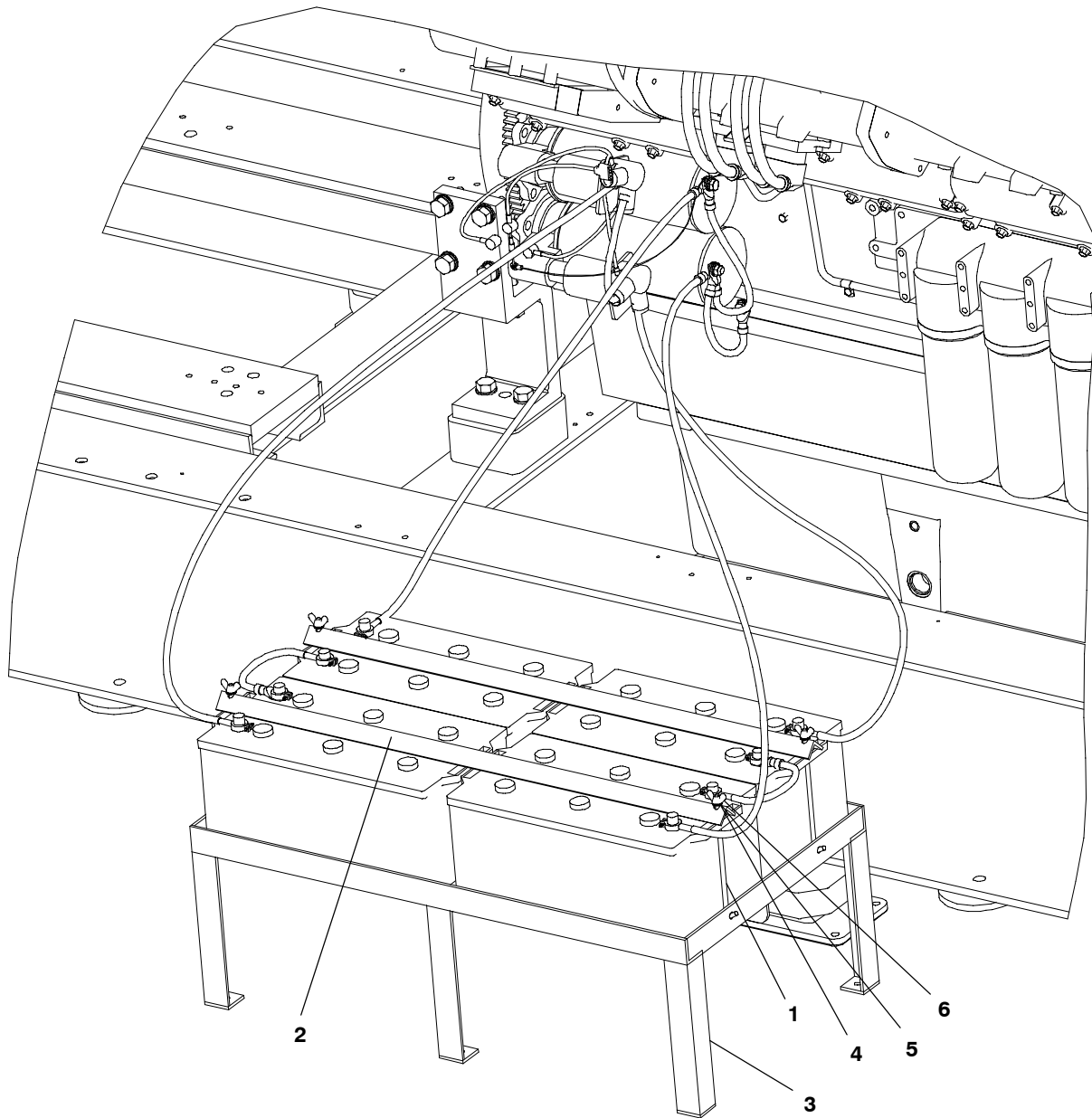
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	800-3017-97	2	Screw, Hex Head (M20 x 2.5 x 90)
6	800-3017-93	4	Screw, Hex Head (M20 x 2.5 x 70)
7	850-0114-57	2	Washer, Lock (M16)

Starter Cables



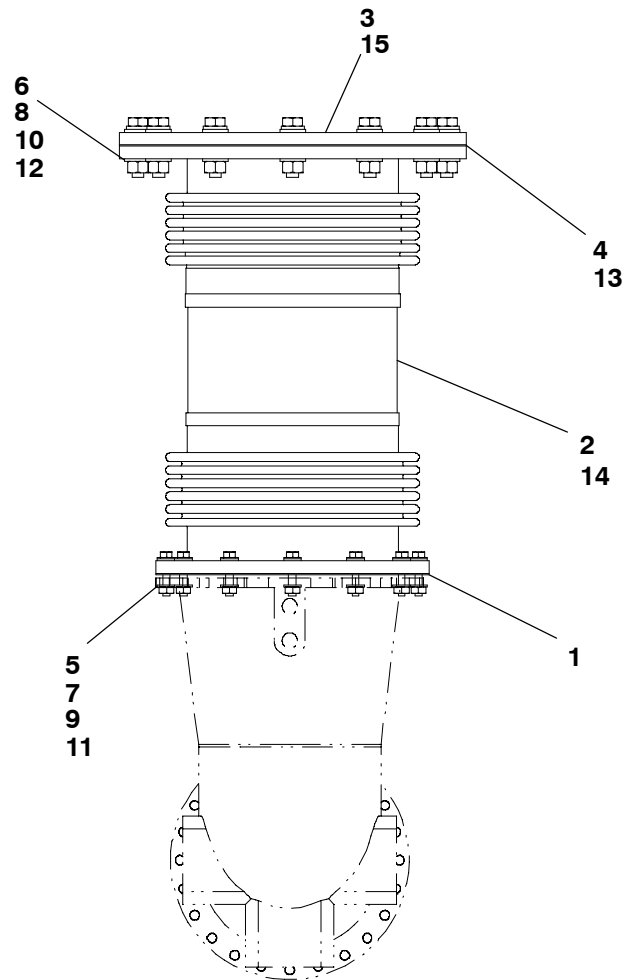
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3894	1	Harness, Diode	8	416-1074	2	Boot, Terminal – Starter Motor
2	338-4370	1	Harness, Starter	9	526-0399-64	1	Washer, Flat (M12)
3	338-4422	1	Harness, Starter	10	800-3017-53	1	Screw, Hex Head (M12 x 1.75 x 25)
4	416-0446	2	Cable, Jumper	11	850-0114-56	1	Washer, Lock – Spring (M12)
5	416-0639	2	Cable, Battery (-ve)	12	853-0040-57	1	Washer, Lock – W/ET (M12)
6	416-0639	2	Cable, Battery (+ve)				
7	416-0680	3	Cable, Starter				

Battery Frame



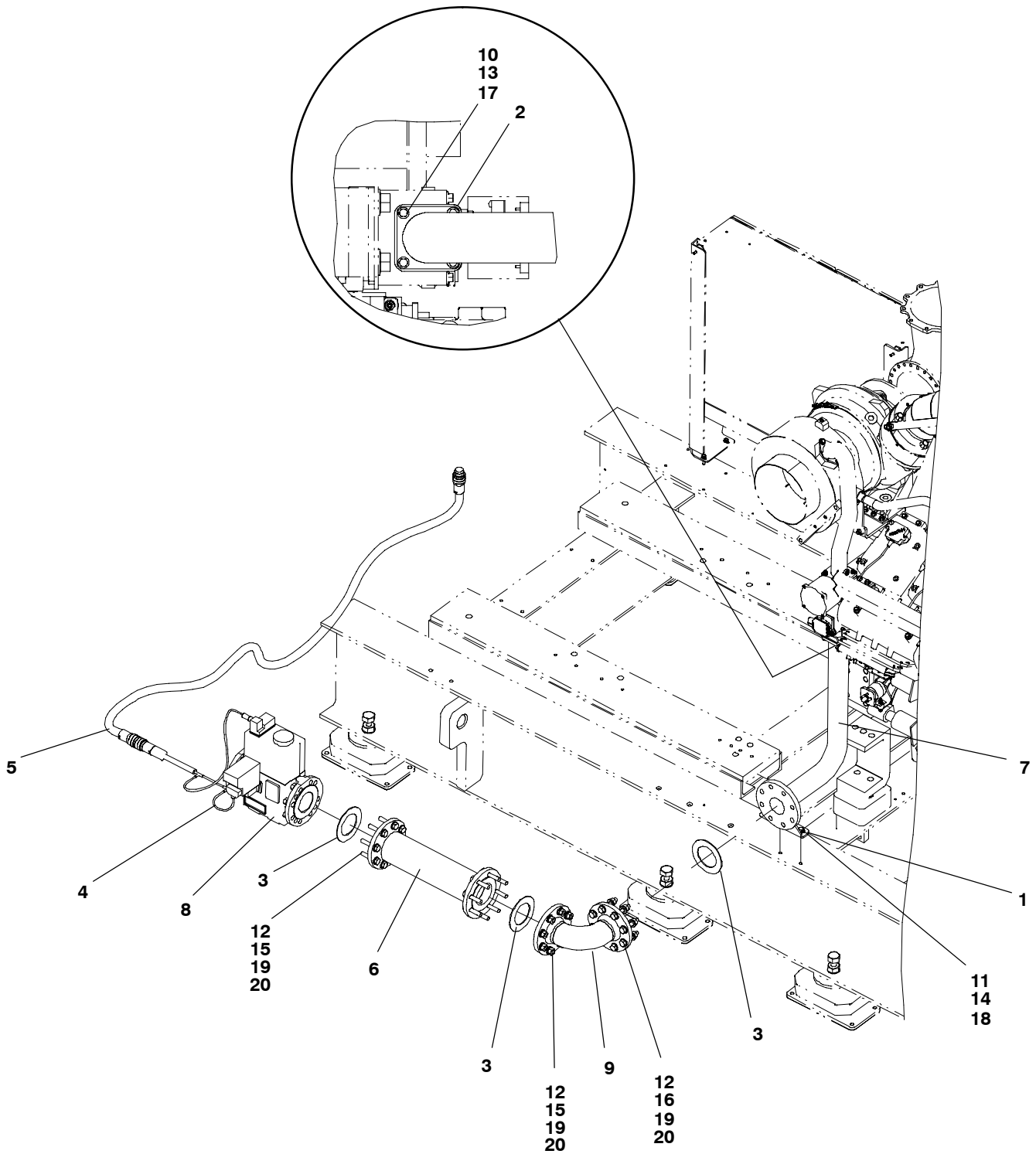
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	416-1265-02	4	Rod, Battery Holddown	4	526-0399-60	4	Washer, Flat (M8)
2	416-1266-02	2	Holddown, Battery	5	850-0114-54	4	Washer, Lock (M8)
3	416-1267-02	1	Frame, Battery	6	865-0031	4	Nut, Wing (M8)

Exhaust Kit



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-4601	1	Gasket, Exhaust	9	850-0114-55	12	Washer, Lock (M10)
2	155-4717	1	Adapter, Exhaust (10" ANSI Flange)	10	850-0114-57	12	Washer, Lock (M16)
3	155-4734	1	Flange, Exhaust (10" ANSI Flange)	11	862-0026-56	12	Nut, Hex (M10)
4	155-4735	1	Gasket, Exhaust (10" ANSI Flange)	12	862-0026-58	12	Nut, Hex (M16)
5	526-0399-62	24	Washer, Flat (M10)	13	155-3704	1	Gasket, Exhaust (10" BS Flange)
6	526-0399-66	24	Washer, Flat (M16)	14	155-4718	1	Adapter, Exhaust (10" BS Flange)
7	800-3017-41	12	Screw, Hex Head (M10 x 1.5 x 45)	15	155-4736	1	Flange, Exhaust (10" BS Flange)
8	800-3017-76	12	Screw, Hex Head (M16 x 2.0 x 60)				

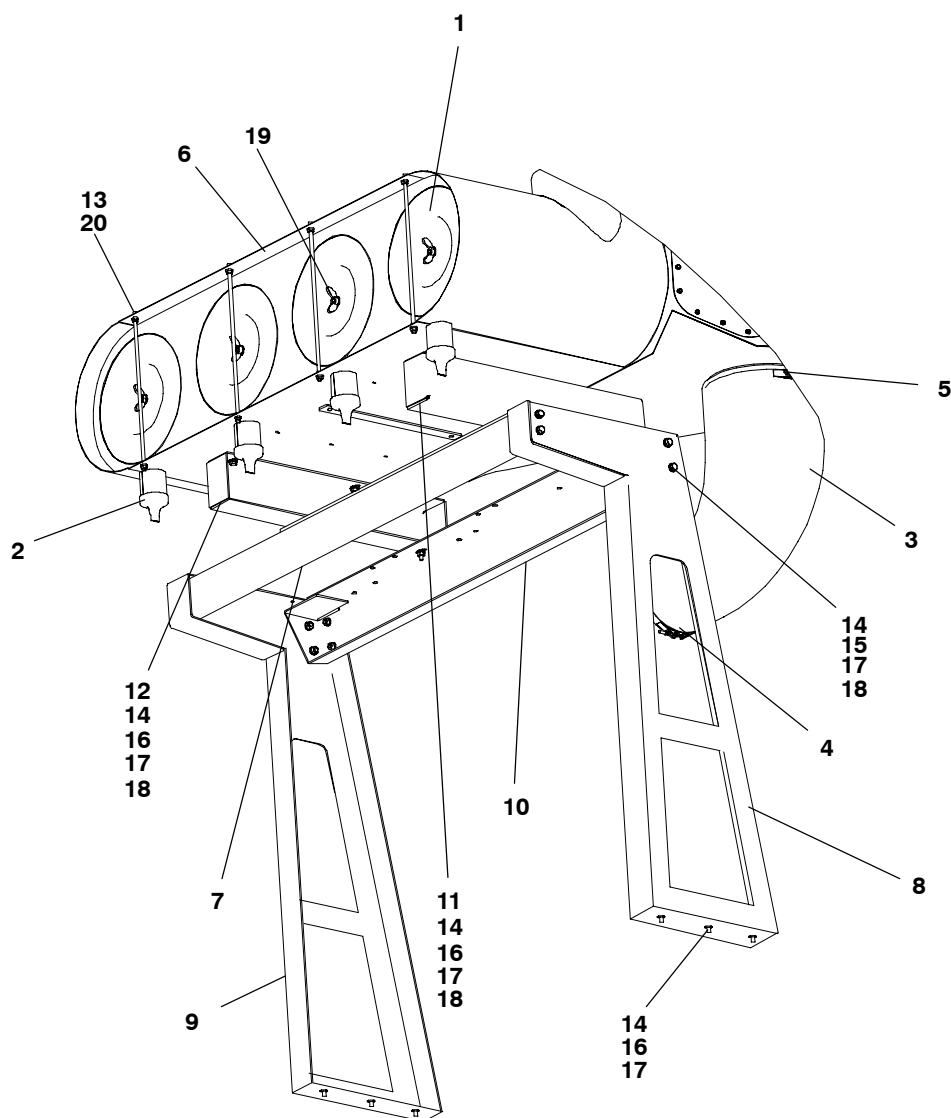
Gas Valve



Gas Valve

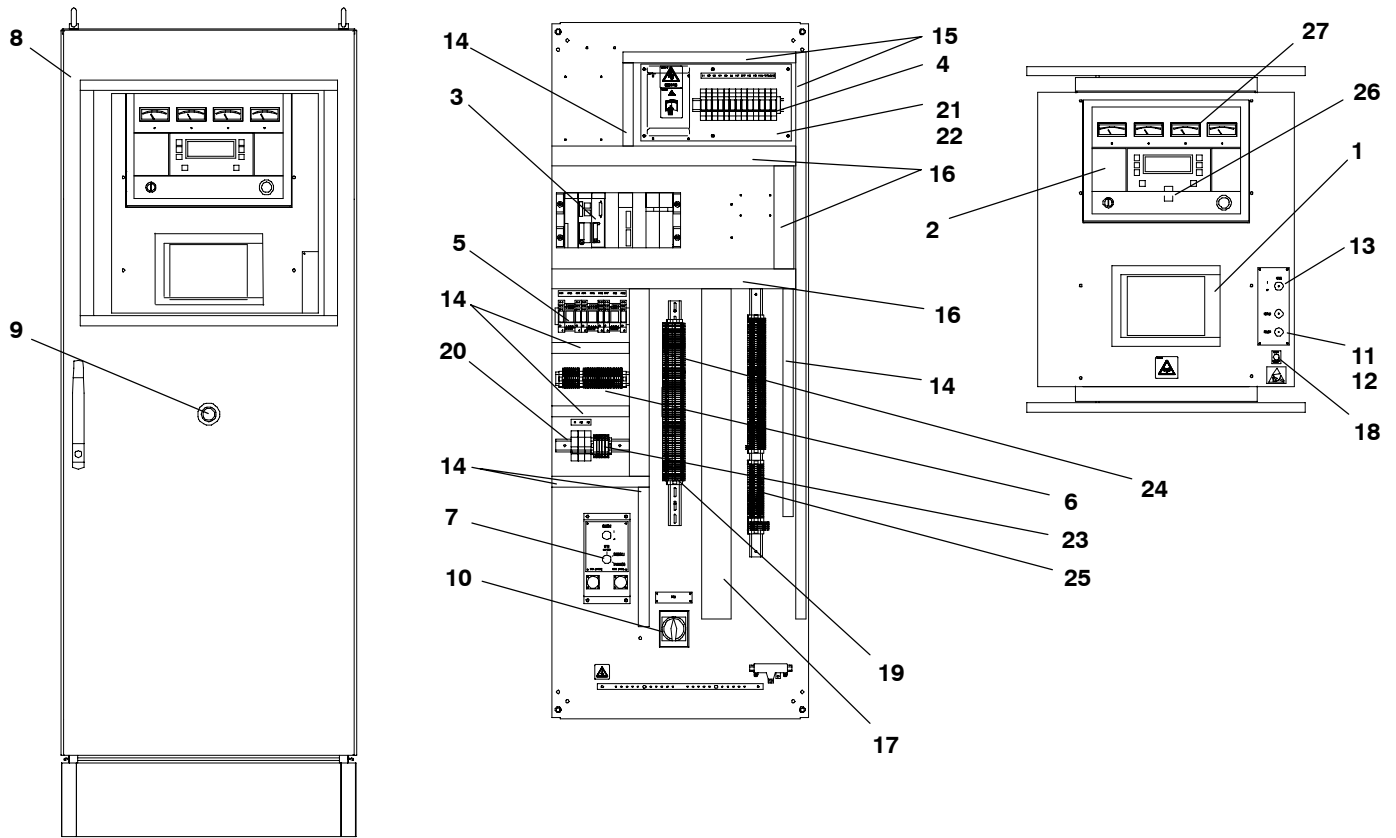
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1326-02	1	Bracket, Fuel System	13	800-3017-21	4	Screw, Hex Head (M8 x 1.25 x 30)
2	154-3182	1	Gasket, Flange (Fuel Line)	14	800-3017-53	2	Screw, Hex Head (M12 x 1.75 x 25)
3	155-4109	3	Gasket, Flange	15	800-3017-78	16	Screw, Hex Head (M16 x 2.0 x 70)
4	338-4431	1	Harness, Valve	16	800-3017-80	8	Screw, Hex Head (M16 x 2.0 x 80)
5	338-4432	1	Harness, Extension	17	850-0114-54	4	Washer, Lock (M8)
6	501-0838	1	Line, Fuel (DN80 Gas 500mm)	18	850-0114-56	2	Washer, Lock (M12)
7	501-0973-02	1	Line, Fuel (Inlet Pipe)	19	850-0114-57	24	Washer, Lock (M16)
8	504-0262	1	Valve, Solenoid	20	862-0026-58	24	Nut, Hex (M16)
9	505-2174	1	Elbow, Pipe (Gas Connector)				
10	526-0399-60	4	Washer, Flat (M8)				
11	526-0399-64	2	Washer, Flat (M12)				
12	526-0399-66	48	Washer, Flat (M16)				

Air Cleaner Heavy Duty



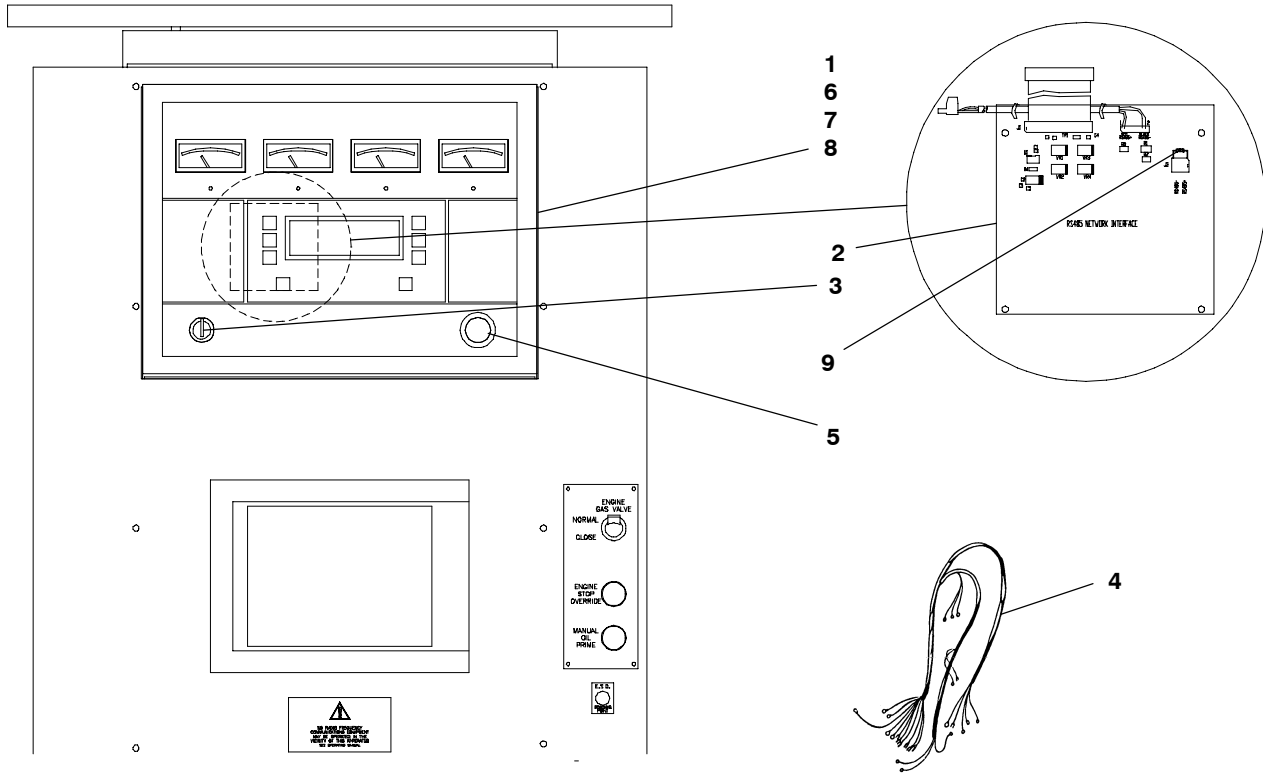
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Element, Air Cleaner	11	140-4058-02	1	Bracket, Air Cleaner
	140-3813	4	Primary	12	140-4059-02	1	Bracket, Air Cleaner
	140-3814	4	Element, Safety	13	140-4064-02	4	Element, Air Cleaner (Retaining Rod)
2	140-3815	4	Cleaner, Air (Dust Ejector)	14	526-0399-64	42	Washer, Flat (M12)
3	140-4031	1	Adapter, Air Cleaner	15	800-3017-54	12	Screw, Hex Head (M12 x 1.75 x 30)
4	140-4036	1	Clamp, Air Cleaner	16	800-3017-56	14	Screw, Hex Head (M12 x 1.75 x 40)
5	140-4037	1	Clamp, Air Cleaner	17	850-0114-56	26	Washer, Lock (M12)
6	140-4049	1	Housing, Air Cleaner	18	800-0026-57	16	Nut, Hex (M12)
7	140-4054-02	1	Bracket, Air Cleaner	19	865-0033	8	Nut, Wing (1/2" x 13)
8	140-4055-02	1	Bracket, Air Cleaner - Upright R/H	20	870-2056	16	Nut, Lock - Flange (M10 x 1.5)
9	140-4056-02	1	Bracket, Air Cleaner - Upright L/H				
10	140-4057-02	1	Bracket, Air Cleaner				

Generator Control Panel GCP



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-6052	1	Display, Control – Touchscreen	12	308-1136	2	Switch, Pushbutton – Body and N/O Contact
2	300-5793	1	PCS – Complete (See Separate Page for Components)	13	308-1137	1	Switch, Toggle – 2 Position
3	300-6132	1	PLC Assembly (See Separate Page for Components)	14	331-0591	1	Duct, Wiring – Grey (25 x 75)
4	307-3019	1	GCP Relay Assembly 1 (See Separate Page for Components)	15	331-0592	1	Duct, Wiring – Black (25 x 75)
5	307-3052	1	GCP Relay Assembly 2 (See Separate Page for Components)	16	331-0593	1	Duct, Wiring – Grey (50 x 75)
6	332-4185	1	Rail, Terminal Block	17	331-0594	1	Duct, Wiring – Grey (75 x 75)
7	560-2546	1	Selector Switch, Service Tool (See Separate Page For Components)	18	332-3886	1	Block, Terminal – Electrostatic Bonding Terminal
8	319-6278	1	Frame, Cabinet (See Separate Page For Components)	19	350-1245	1	Resistor – 120 Ohm
9	098-8025	1	Label, Information – E-Stop Legend Plate – Yellow	20	249-0806	3	Breaker, Circuit – Miniature (4A, 1P)
10	300-5647	1	Control – Aux. Supply Isolator	21	319-4763	1	Cover, Box – Relay
11	308-1135	2	Switch, Pushbutton – Operator Green	22	319-6403	6	Cover, Box – Relay Support
				23	321-0425	1	Block, Fuse
				24	332-4187	1	Rail, Terminal Block (EA/EB)
				25	332-4186	1	Rail, Terminal Block
				26	367-0386	1	EPROM, PCS
				27			Voltmeter, AC
					302-2009-02	1	0-750V Meter Option
					302-2009-03	1	0-5kV Meter Option
					302-2009-04	1	0-15kV Meter Option

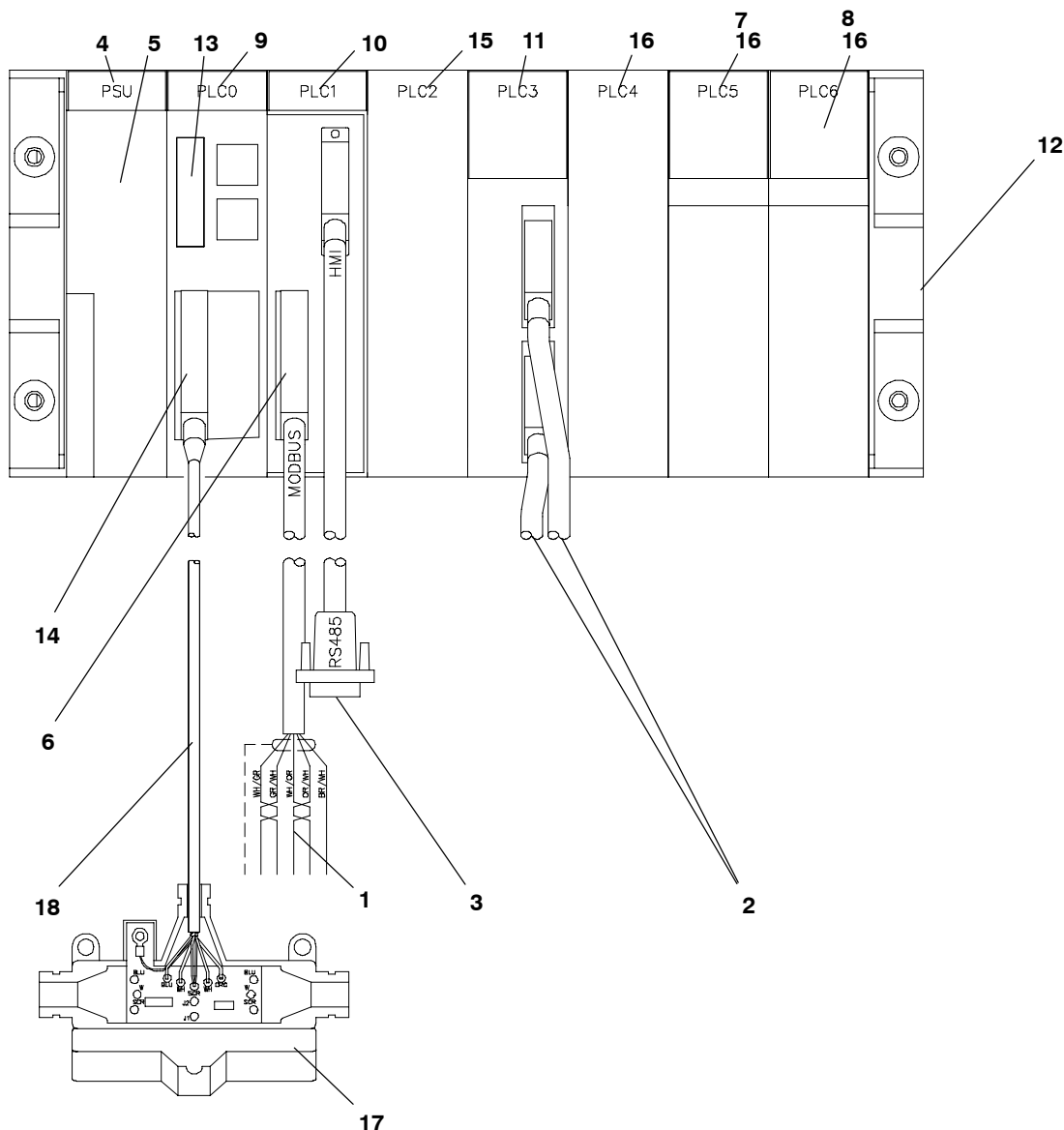
PCS



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-5793	1	PCS – Complete
1	300-5127-02	1	Control, PowerCommand (See 960-0205 For Components)
2	327-1354	1	Board, Printed Circuit (RS485 Network Board For PCC)
3	308-1045	1	Switch, Key Operator

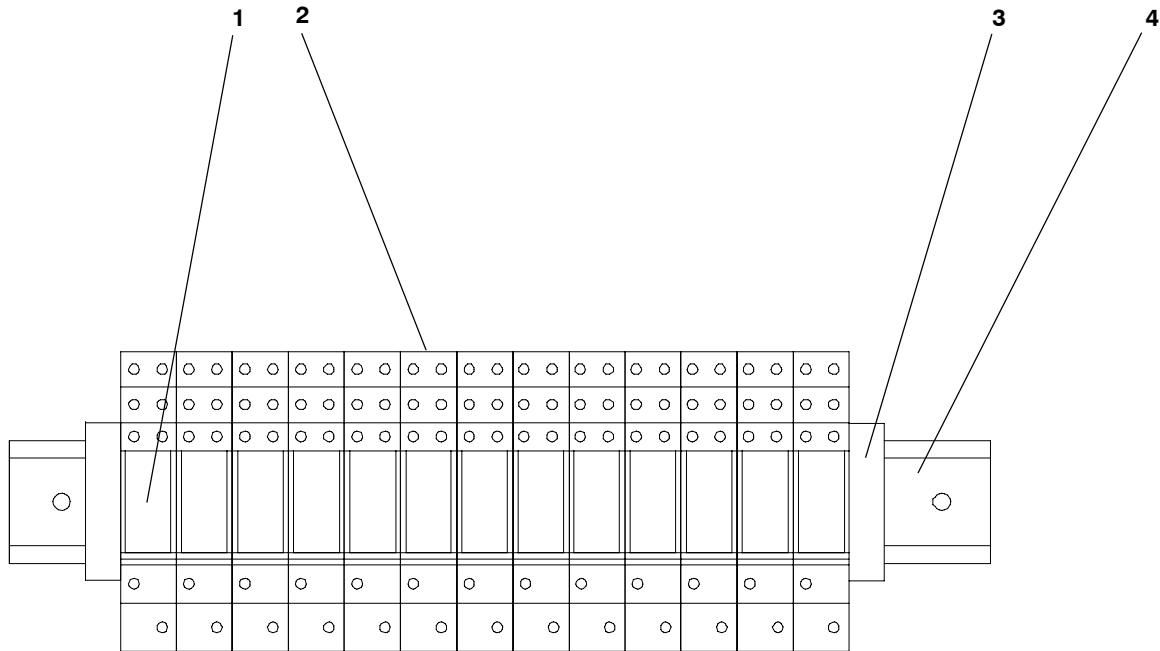
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	338-4312	1	Harness, Control
5	517-0362	1	Plug, Cap
6	800-3017-20	4	Screw, Hex Head (M8 x 25)
7	526-0399-60	4	Washer, Flat (M8)
8	805-0114-54	4	Washer, Lock – Spring (M8)
9	350-1245	1	Resistor (120 Ohm)

PLC Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226-4852	1	Lead - PCMCIA Card Cable 3M	11	300-5697	1	PLC - Module, 32 Way High Density I/P
2	226-4853	2	Lead - Extension Cable 3M	12	300-5698	1	PLC - 8 Way Non-Extendable Rack
3	226-4956	1	Lead - HMI RS485 Comms Cable 3M	13	300-6024-02	1	PLC - PCMCIA 64K 16 Flash Card
4	249-0820	1	Unit, Power Supply - 30W, 24VDC	14	300-5716	1	PLC - PCMCIA Modbus Plus Comms Card
5	249-0821	1	Battery, Lithium - RAM Backup	15	319-4752	2	Cover, Printed Circuit Board - Protective Cover
6	249-0823	1	Card, PCMCIA - RS485/422	16	323-2026	2	Connector, Plug
7	249-0827	1	Card, Resistance Thermometer Input	17	326-0174	1	Tap, Cable
8	249-0828	2	Module, 16 Digital Output - 24VDC, 50A	18	335-0217	1	Cable - Modbus Drop Cable 3M
9	300-5830	1	PLC - Premium CPU 32K				
10	300-5644	2	PLC - Communication Module				

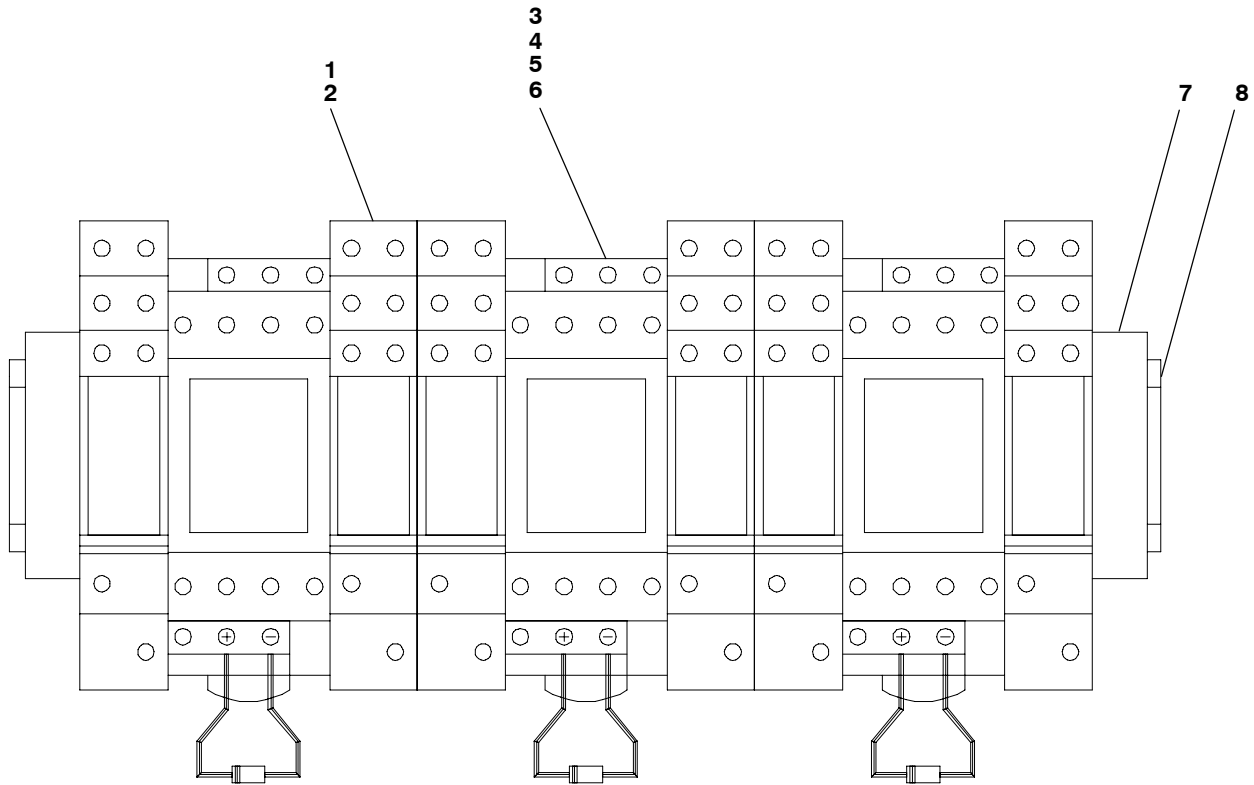
GCP Relay Assembly 1



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	249-0813	13	Relay – 2P 24V 5A W/Diode
2	249-0814	13	Relay – 2P Base
3	332-3890	2	Block, Terminal – End Stop

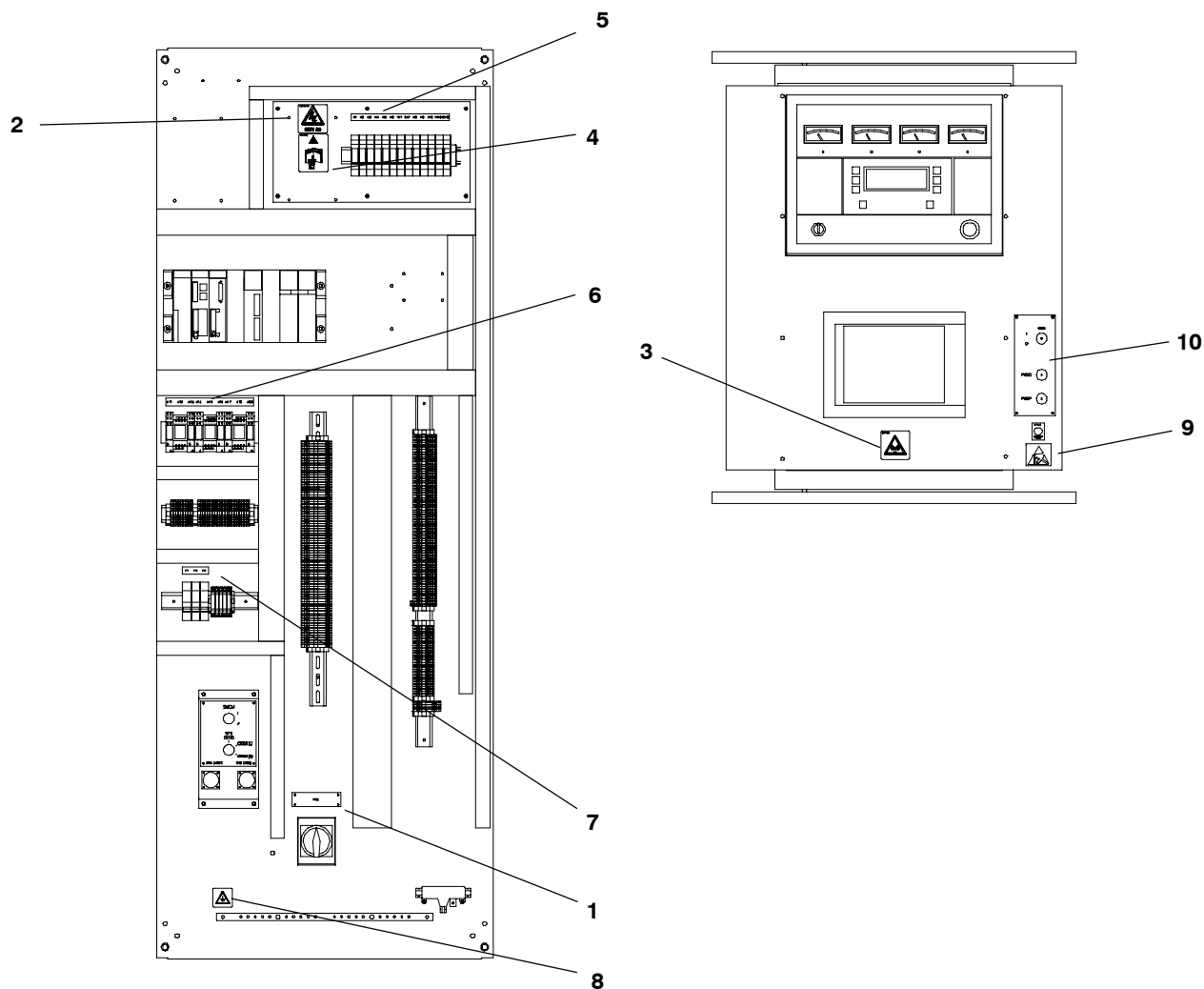
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	332-4085-02	1	Rail, Terminal Block – DIN Rail (0.28M)

GCP Relay Assembly 2



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	249-0813	6	Relay – 2P 24V 5A W/Diode	6	305-1007	3	Rectifier – Diode
2	249-0814	6	Relay – 2P Base	7	332-3890	2	Block, Terminal – End Block
3	249-0817	3	Relay – 4P 24V 5A No Diode	8	332-4085-02	1	Rail, Terminal Block – DIN Rail (0.2M)
4	249-0818	3	Relay – 4P Base				
5	249-0819	3	Relay – Clip				

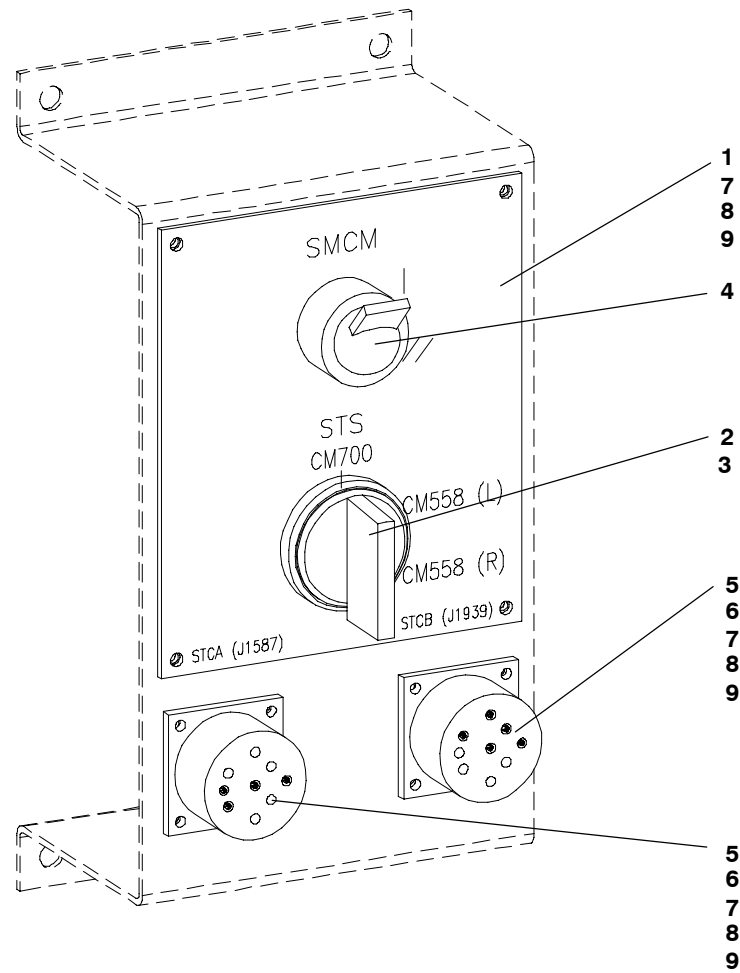
GCP Labels



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8550	1	Label, Information – PSI Drawing (Panel Aux. Supply Isolator)
2	098-8104-06	1	Label, Information – Voltage Warning (600V AC EN/IEC Compliant)
3	098-8093	1	Label, Information – RF Warning (EN/IEC Compliant)
4	098-8100	1	Label, Information – Service Manual Warning

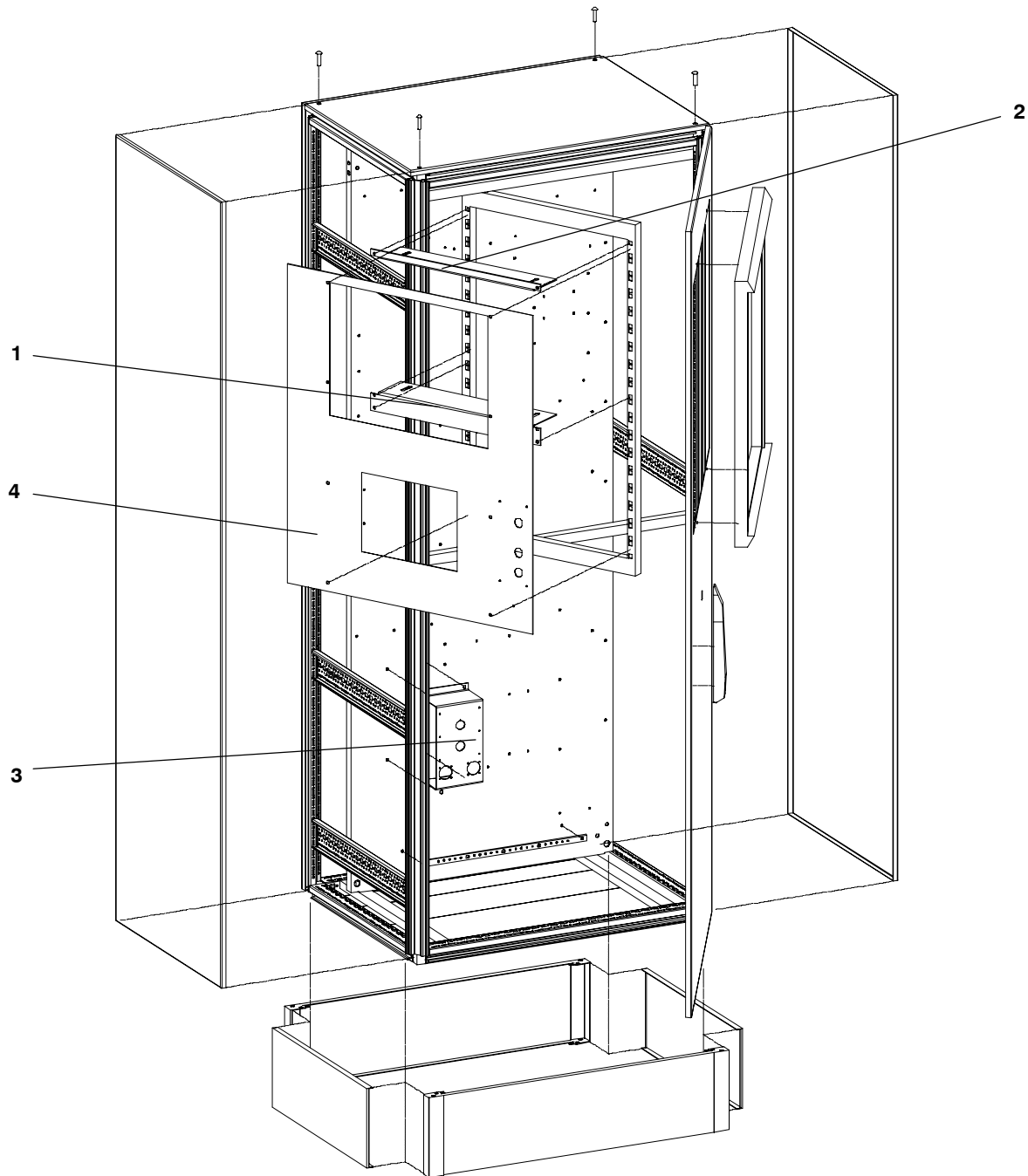
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	098-8316	1	Label, Information – K1-2K19
6	098-8318	1	Label, Information – K11-K20
7	098-8317	1	Label, Information – F1-F3
8	098-8107	1	Label, Information – Earth (EN/IEC Compliant)
9	098-8551	1	Label, Information – ESD Warning (EN/IEC Compliant)
10	098-8552	1	Label, Information – Engine Gas Valve (Symbolic)

Service Tool Selector Switch



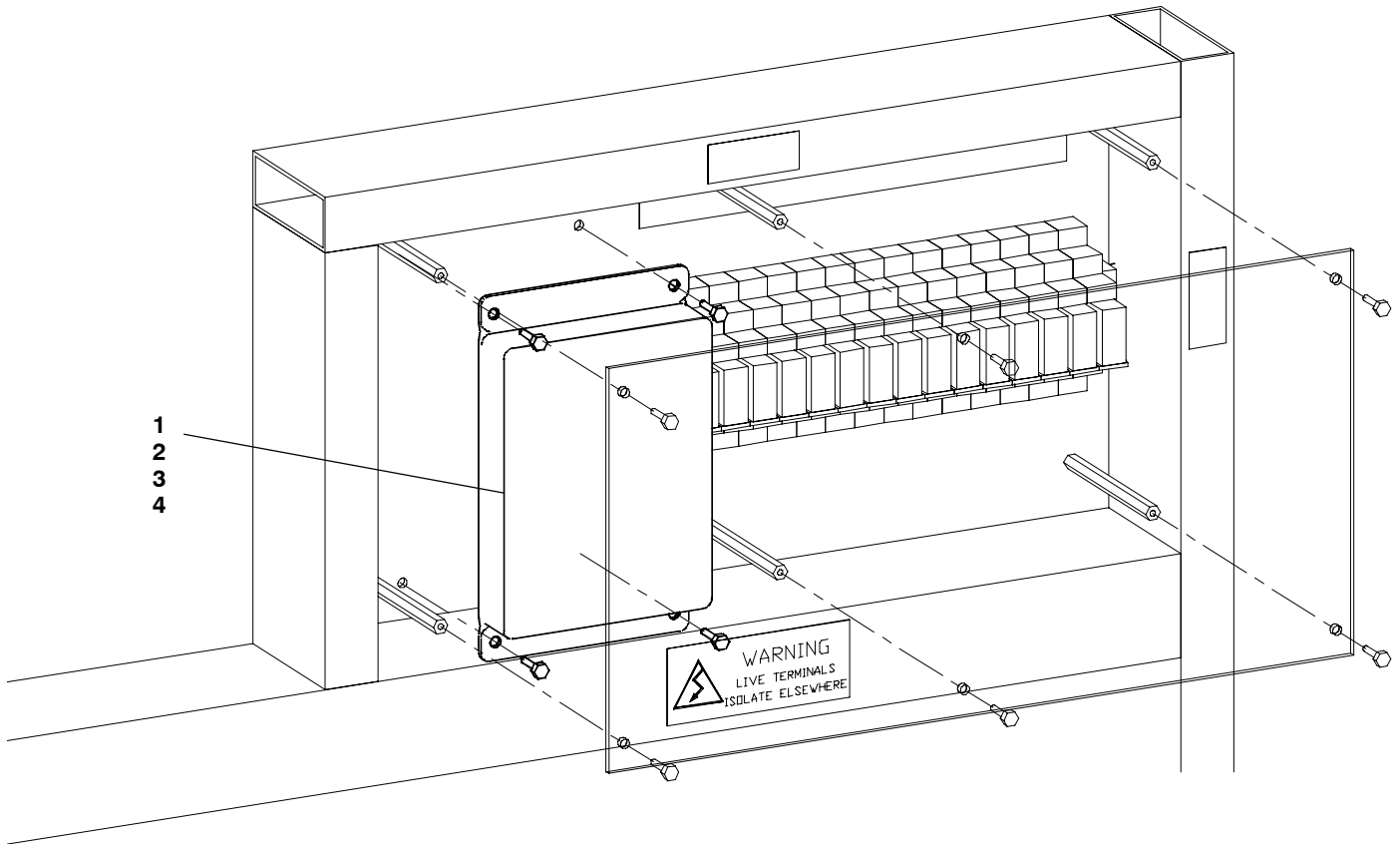
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8549	1	Label, Information – Service Tool Selector Switch	5	323-2028	9	Connector, Plug – Service Tool Pins
2	308-1138	1	Switch, Rotary – Switch Body	6	323-2057	2	Receptacle
3	308-1139	1	Switch, Rocker – Switch Actuator	7	800-0309-55	12	Screw (M2.5 x 20)
4	308-1137	1	Switch, Toggle – 2 Position	8	862-0026-50	12	Nut, Hex (M2.5)
				9	526-0399-50	12	Washer, Flat

Cabinet Frame



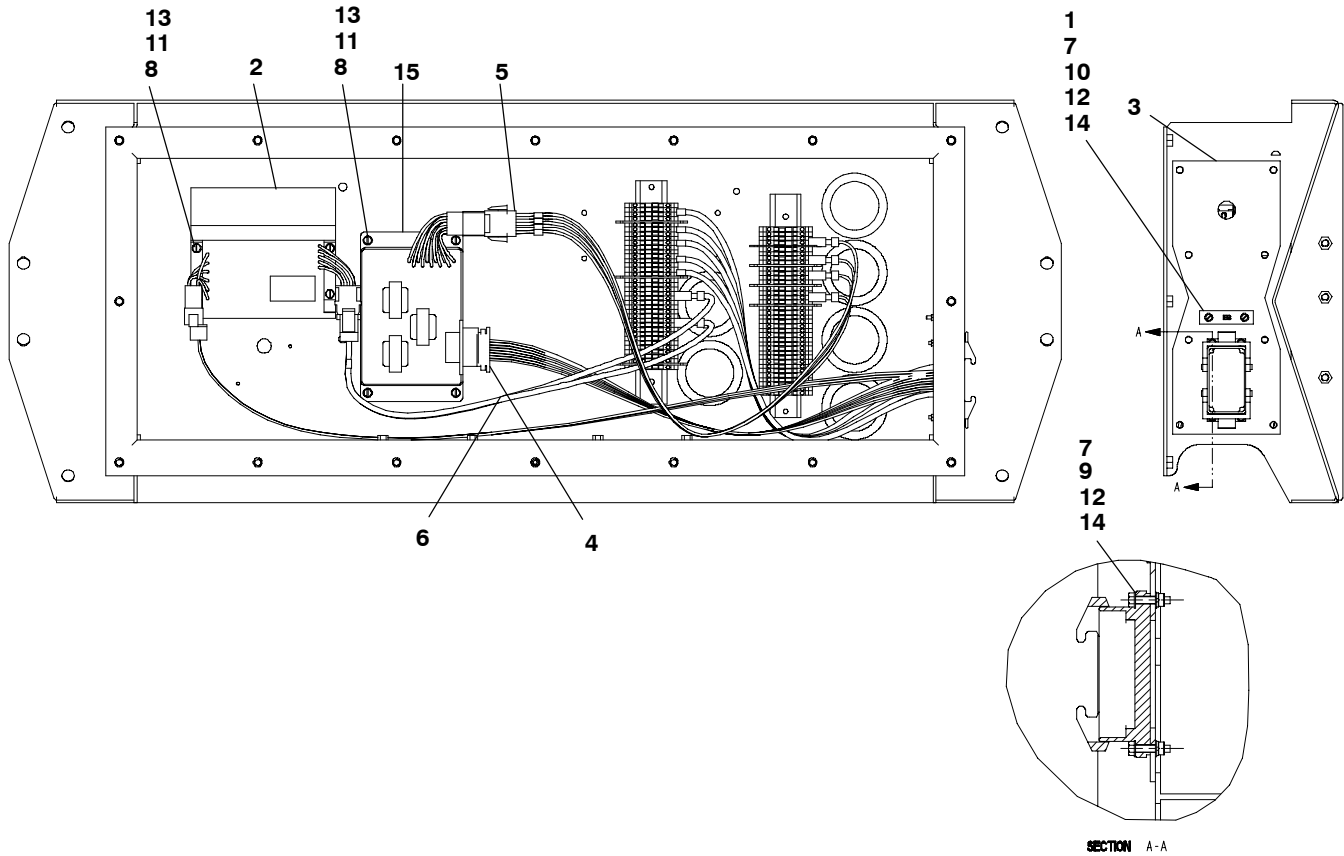
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4990-01	1	Bracket, Control Box – PCC Support	3	319-4745	1	Bracket, Control Box – Switch/Socket Mounting
2	319-4990-02	1	Bracket, Control Box – PCC Support	4	319-5990	1	Frame, Cabinet – GCP Swing Frame Facia

GCP L-L Bus



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit – Bus / First Start	2	800-0309-77	4	Screw, Hex Head (M4 x 20)
	300-4985-04	1	120V	3	526-0399-54	4	Washer, Flat (M4)
	300-4985-01	1	240V	4	850-0114-51	4	Washer, Lock – Spring (M4)
	300-4985-02	1	480V				
	300-4985-03	1	600V				

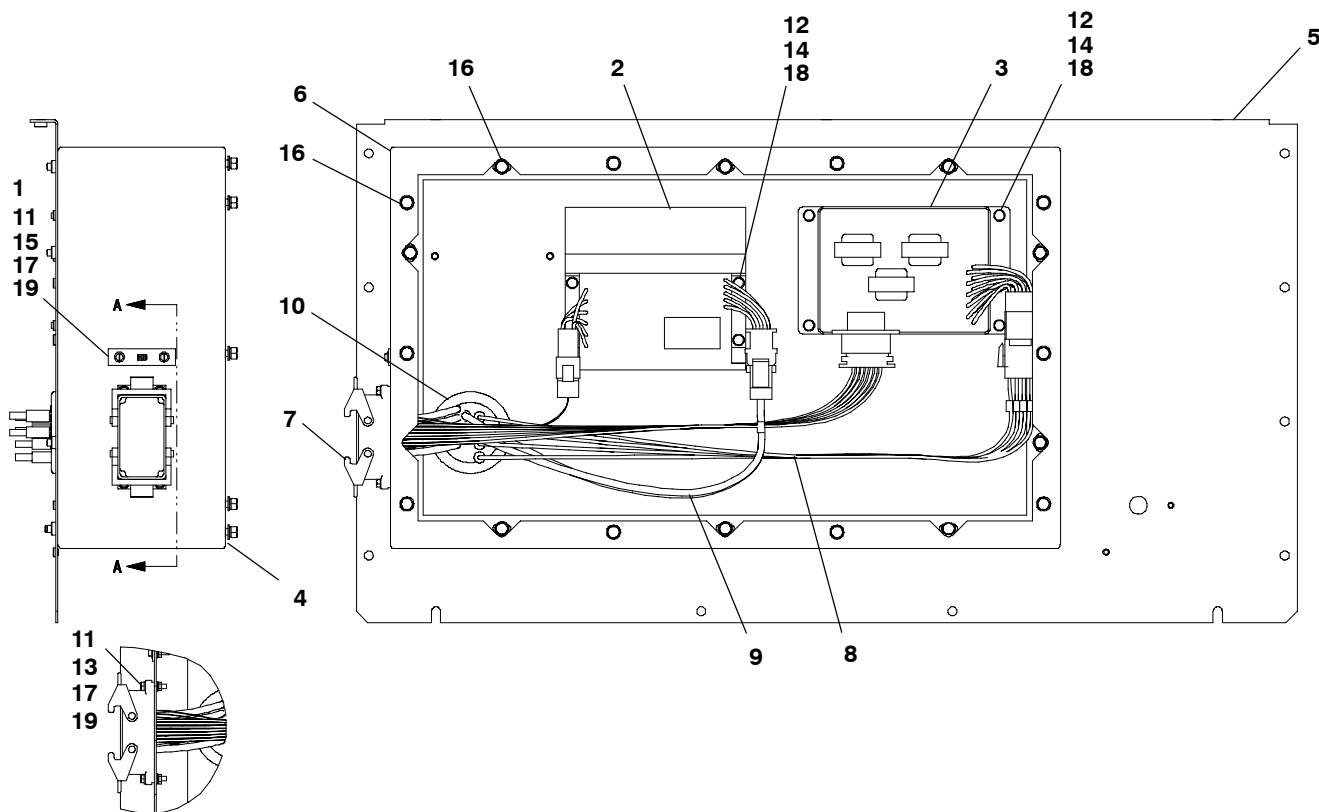
Control Panel <15KV



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8543	1	Label, Information (Plug Designation)
2	300-4306	1	Regulator, Auto Volt
3	319-6014-02	1	Plate, Mounting (Gland Plate)
4	338-4680	1	Harness, Alternator
5	338-4681	1	Harness, Alternator
6	338-4682	1	Harness, Alternator
7	526-0399-54	12	Washer, Flat (M4)
8	526-0399-56	8	Washer, Flat (M5)
9	800-0309-77	4	Screw, Cap – Hex Head (M4 x 0.8 x 20)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	815-1540-20	2	Screw, Slotted – Fillet Head (M4 x 16)
11	815-1540-31	8	Screw, Slotted – Fillet Head (M5 x 8)
12	850-0114-51	6	Washer, Lock (M4)
13	850-0114-52	8	Washer, Lock (M5)
14	862-0026-52	6	Nut, Hex (M4)
15	300-4308-01	1	Board, Printed Circuit – PT/CT

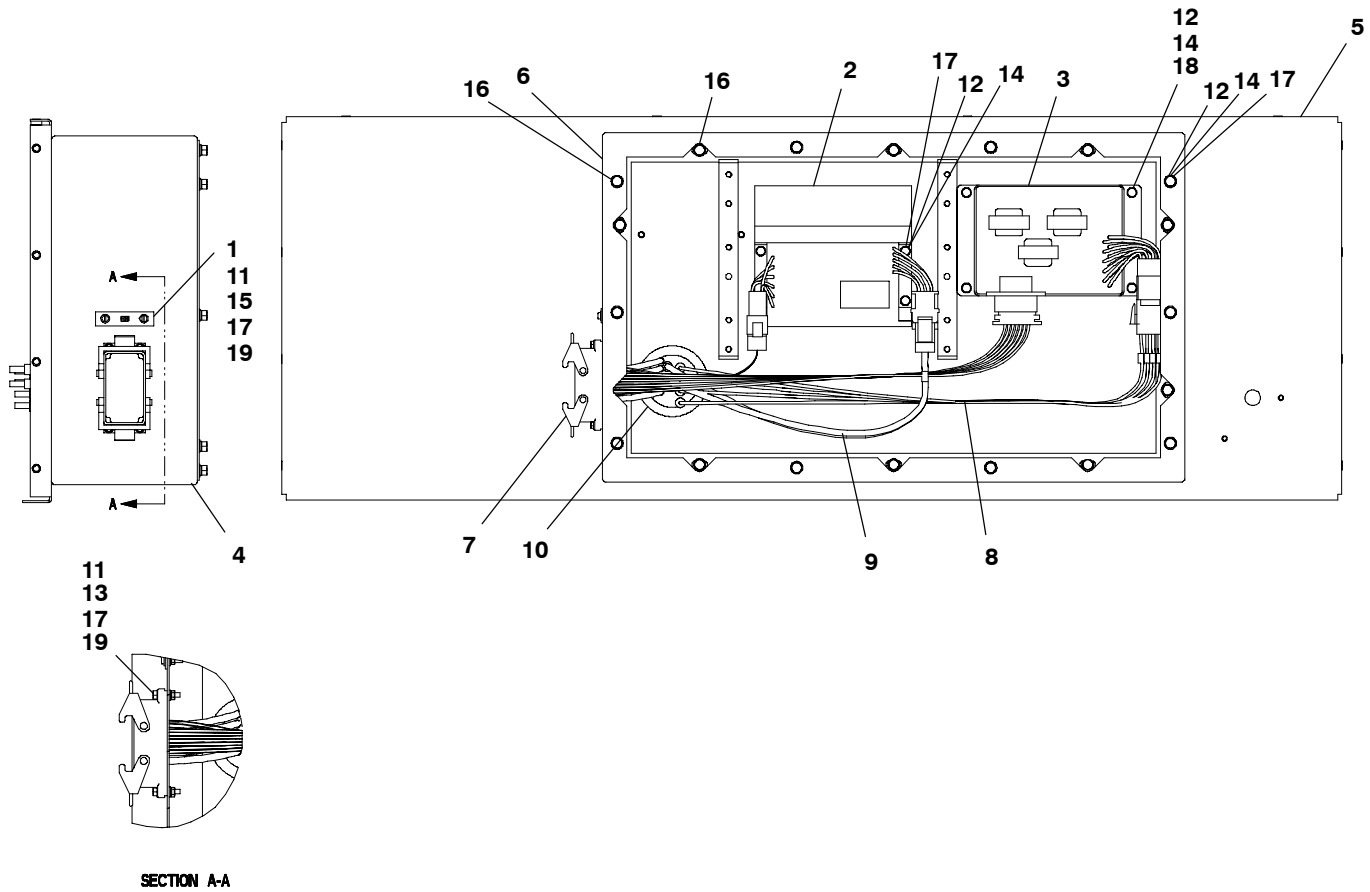
Control Panel 380-440V, 600V



SECTION A-A

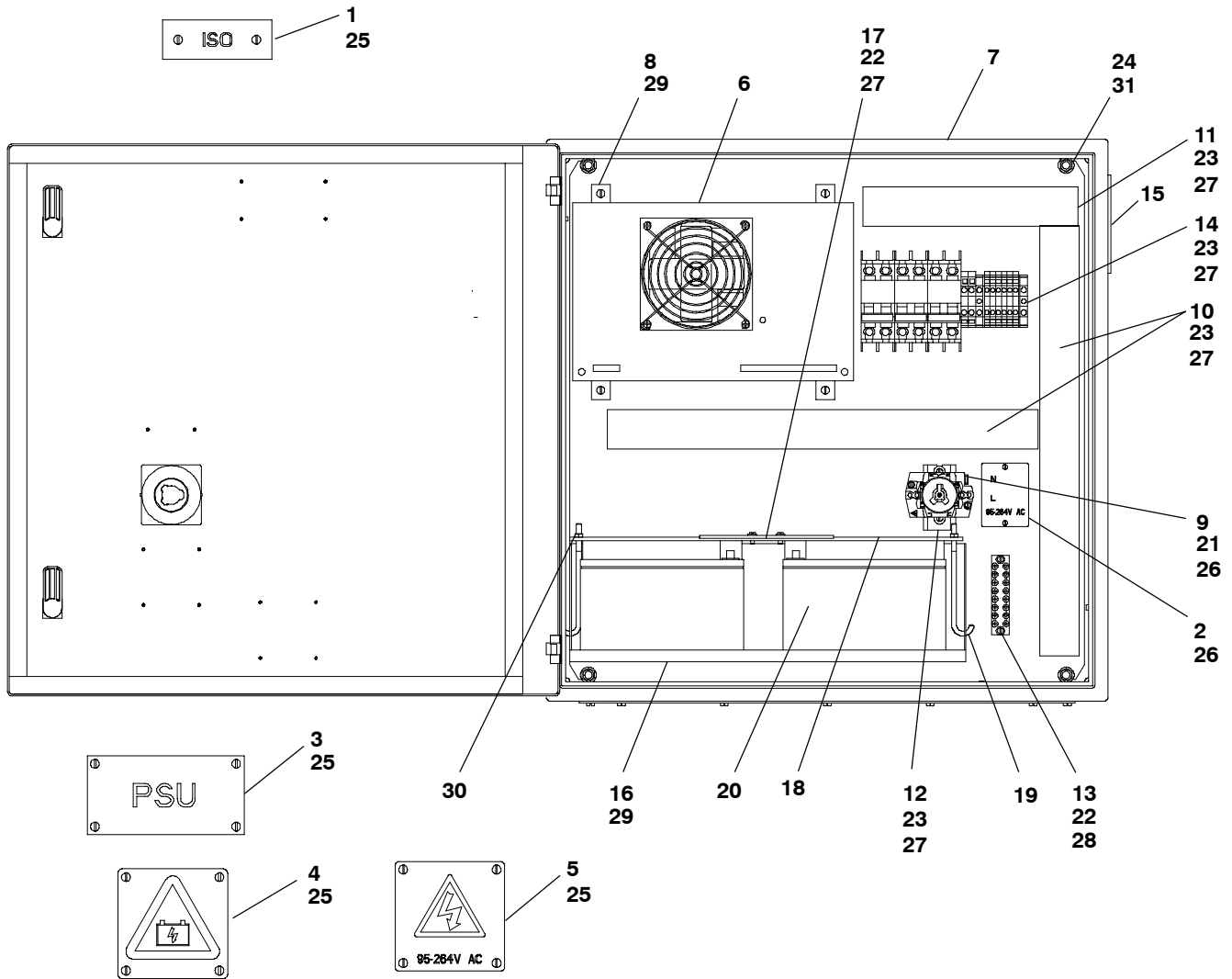
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8543	1	Label, Information (Plug Designation)	11	526-0399-54	12	Washer, Flat (M4)
2	300-4306	1	Regulator, Auto Volt	12	526-0399-56	8	Washer, Flat (M5)
3	300-4308-02	1	Board, Printed Circuit - PT/CT 380-440V	13	800-0309-77	4	Screw, Cap - Hex Head (M4 x 0.8 x 20)
	300-4308-03	1	600V	14	800-0309-87	8	Screw, Cap - Hex Head (M5 x 0.8 x 10)
4	319-5374-02	1	Cover, Box (Alternator)	15	815-1540-20	2	Screw, Slotted - Fillet Head (M4 x 16)
5	319-6197-02	1	Panel, Control Box	16	821-6002-02	20	Screw (M6 x 16)
6	319-6218-02	1	Box, Control	17	850-0114-51	6	Washer, Lock (M4)
7	338-4774	1	Harness, Alternator	18	850-0114-52	8	Washer, Lock (M5)
8	338-4775	1	Harness, Alternator	19	862-0026-52	6	Nut, Hex (M4)
9	338-4776	1	Harness, Alternator				
10	508-1119	1	Grommet				

Control Panel MVP7



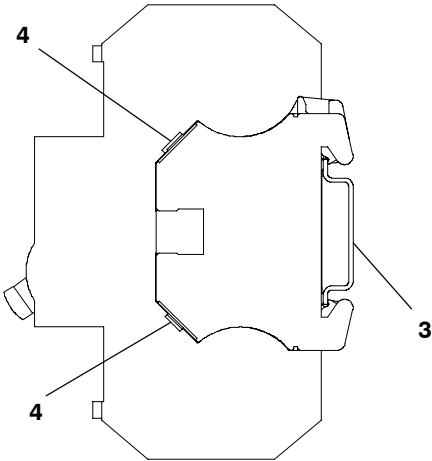
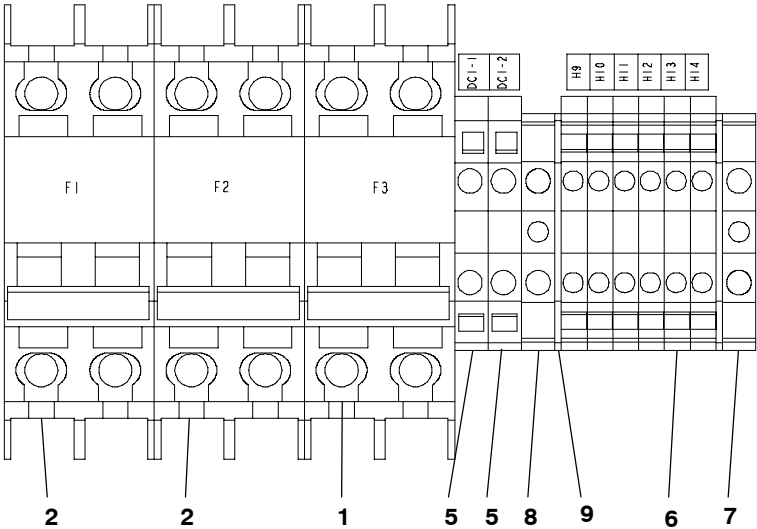
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8543	1	Label, Information (Plug Designation)	12	526-0399-56	8	Washer, Flat (M5)
2	300-4306	1	Regulator, Auto Volt	13	800-0309-77	4	Screw, Cap - Hex Head (M4 x 0.8 x 20)
3	300-4308-01	1	Board, Printed Circuit - PT/CT	14	800-0309-87	8	Screw, Cap - Hex Head (M5 x 0.8 x 10)
4	319-5374-02	1	Cover, Box (Alternator)	15	815-1540-20	2	Screw, Slotted - Fillet Head (M4 x 16)
5	319-6202-02	1	Panel, Control Box	16	821-6002-02	20	Screw (M6 x 16)
6	319-6218-02	1	Box, Control	17	850-0114-51	6	Washer, Lock (M4)
7	338-4774	1	Harness, Alternator	18	850-0114-52	8	Washer, Lock (M5)
8	338-4775	1	Harness, Alternator	19	862-0026-52	6	Nut, Hex (M4)
9	338-4776	1	Harness, Alternator				
10	508-1119	1	Grommet				
11	526-0399-54	12	Washer, Flat (M4)				

Power Supply



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8623	1	Label, Information	19	416-1360-02	2	Rod
2	098-8660	1	Label, Information	20	416-1361	2	Battery
3	098-8670	1	Label, Unit ID (PSU)	21	526-0399-52	2	Washer, Flat (M3)
4	098-8671	1	Label, Warning (DC Warning)	22	526-0399-54	4	Washer, Flat (M4)
5	098-8672	1	Label, Warning (AC Voltage)	23	526-0399-55	12	Washer, Flat (M4)
6	300-6339	1	Power Supply (DC)	24	526-0399-60	8	Washer, Flat (M8)
7	319-6736	1	Box, Terminal	25	815-1540-03	14	Screw, Slotted – Fillet Head (M3 x 6)
8	319-6741-02	2	Plate, Mounting (PSU)	26	815-1540-05	4	Screw, Slotted – Fillet Head (M3 x 10)
9	320-2425	1	Switch, Disconnect	27	815-1540-18	14	Screw, Slotted – Fillet Head (M4 x 10)
10	331-0635-07	2	Duct, Wiring	28	815-1540-21	2	Screw, Slotted – Fillet Head (M4 x 20)
11	331-0635-08	1	Duct, Wiring	29	815-1540-32	8	Screw, Slotted – Fillet Head (M5 x 10)
12	332-3895	A/R	Rail, Terminal Block	30	862-0026-53	2	Nut, Hex (M5)
13	332-4224	1	Block, Terminal	31	862-0026-55	4	Nut, Hex (M8)
14	332-4250	1	Block, Terminal (See Separate Page for Components)				
15	405-9959	2	Frame, Louver (Exhaust Filter)				
16	416-1357-02	1	Tray, Battery				
17	416-1358	1	Cover, Battery				
18	416-1359-02	1	Holddown, Battery				

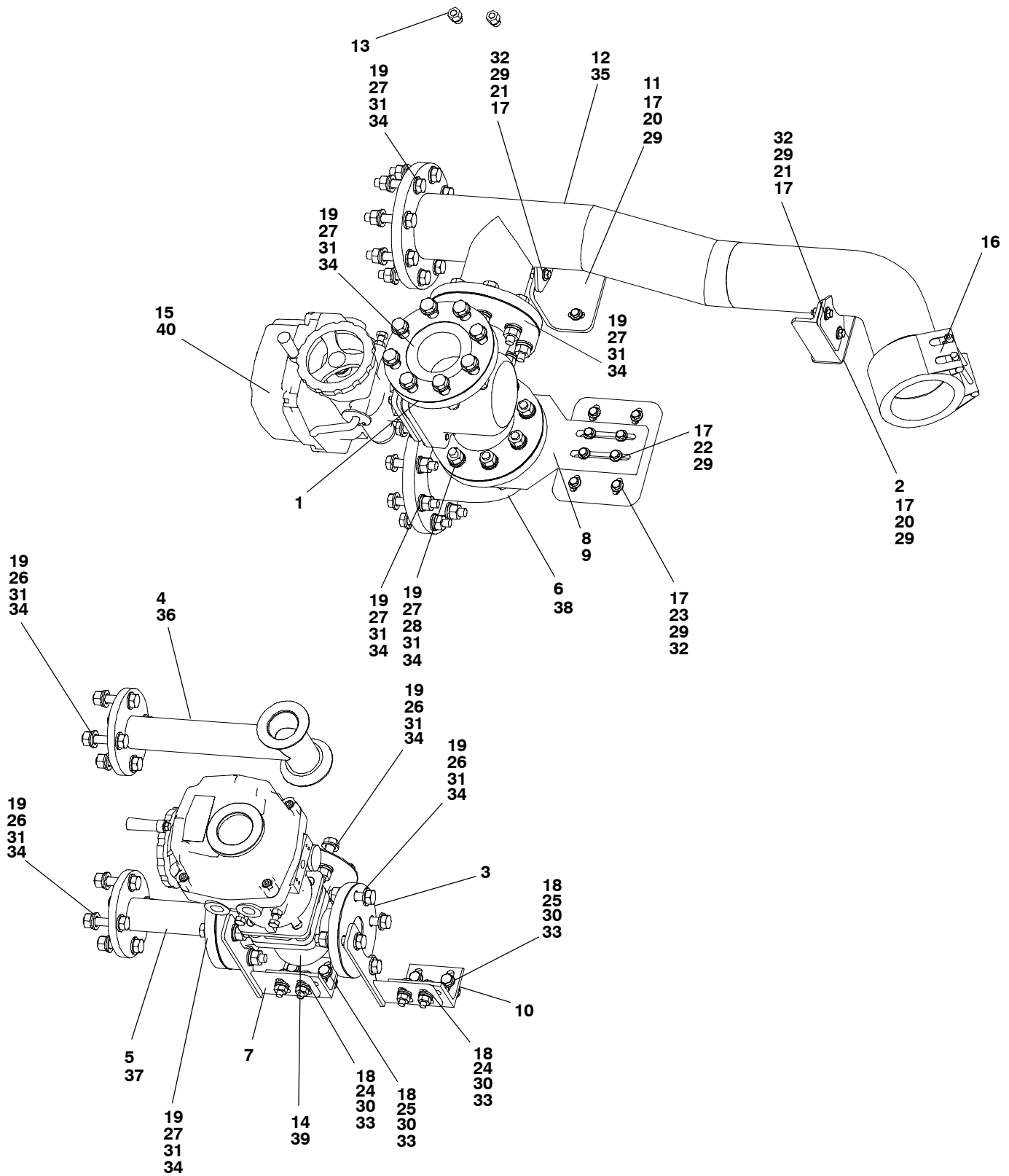
Terminal Block
Power Supply



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	320-2420	1	Breaker, Circuit (15A)	6	332-4252	6	Block, Terminal (Rail Mounted)
2	320-2421	2	Breaker, Circuit (30A)	7	332-4253	1	Block, Terminal (Rail Mounted)
3	332-3895	A/R	Rail, Terminal Block	8	332-4254	1	Block, Terminal (Rail Mounted)
4	332-4231	16	Marker, Strip	9	332-4255	1	Block, Terminal (End Plate)
5	332-4251	2	Block, Terminal (Rail Mounted)				

This Page Intentionally Left Blank.

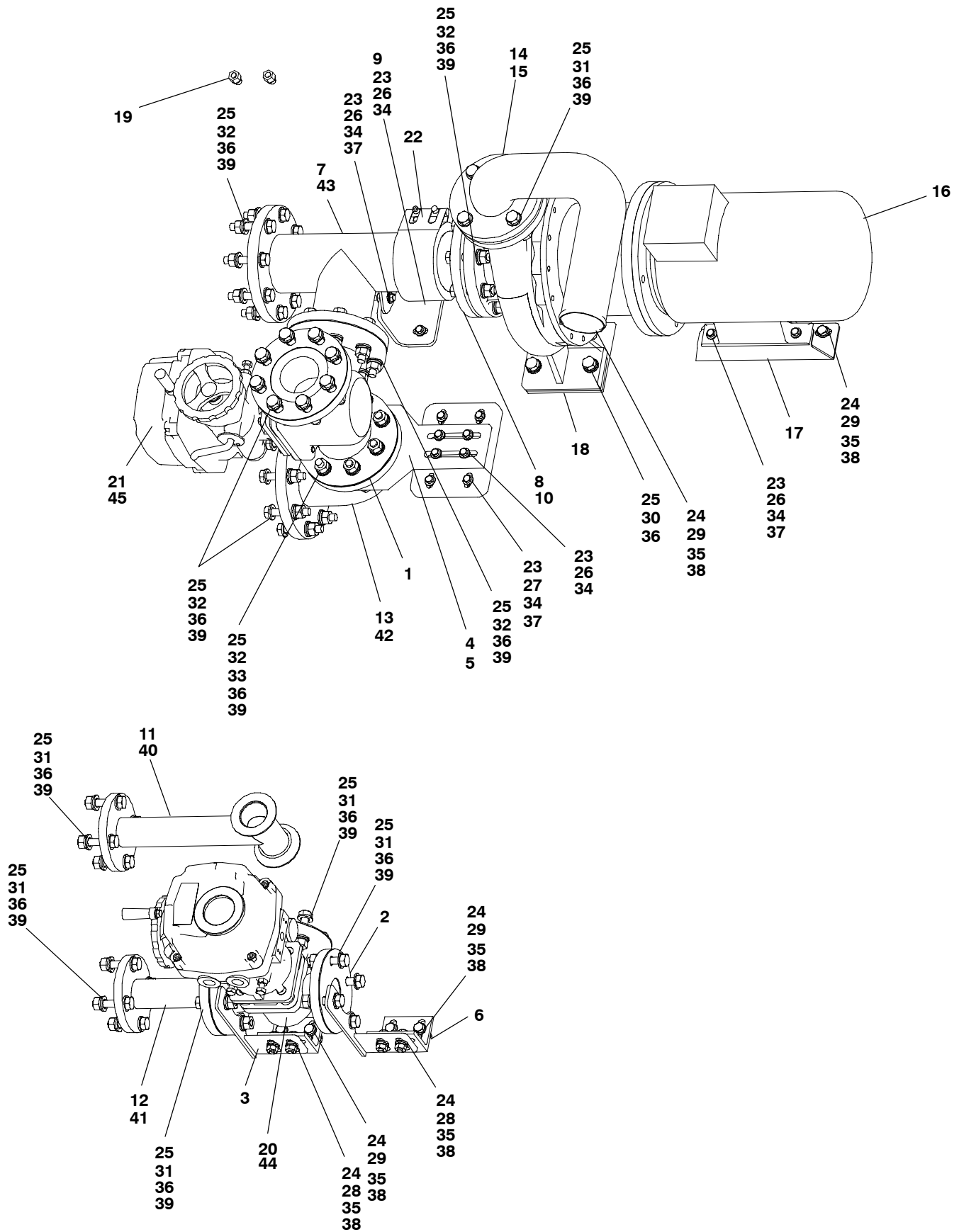
Cooling System Flanges



Cooling System Flanges

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-6405	3	Gasket, Radiator	24	800-3017-56	4	Screw, Hex Head (M12 x 1.75 x 40)
2	130-7130-02	1	Bracket, Tube (Water Outlet)	25	800-3017-58	4	Screw, Hex Head (M12 x 1.75 x 50)
3	130-7145	3	Gasket, Radiator	26	800-3017-78	16	Screw, Hex Head (M16 x 2.0 x 70)
4	130-7212-02	1	Tube, Water (Inlet BS Flanges)	27	800-3017-80	40	Screw, Hex Head (M16 x 2.0 x 80)
5	130-7213-02	1	Tube, Water (Valve Out BS Flanges)	28	800-3017-82	4	Screw, Hex Head (M16 x 2.0 x 90)
6	130-7214-02	1	Tube, Water (BS Flanges)	29	850-0114-55	16	Washer, Lock (M10)
7	130-7223-02	2	Bracket, Tube (LT)	30	850-0114-56	8	Washer, Lock (M12)
8	130-7224-02	1	Plate, Support (Ball Valve)	31	850-0114-57	60	Washer, Lock (M16)
9	130-7225-02	1	Plate, Support (Flange)	32	862-0026-56	8	Nut, Hex (M10)
10	130-7226-02	2	Bracket, Tube (Support Angle)	33	862-0026-57	8	Nut, Hex (M12)
11	130-7231-02	1	Bracket, Tube (Angle Support)	34	862-0026-58	60	Nut, Hex (M16)
12	130-7352-02	1	Tube, Water (BS EN 1092 TEE)	35	130-7353-02	1	Tube, Water (ANSI TEE) – ANSI Flanges
13	502-1318	2	Adapter, Pipe	36	130-7289-02	1	Tube, Water (Inlet Adapter) – ANSI Flanges
14	504-0301	1	Valve, Ball (3 Way 2" DN80) – BS Flanges	37	130-7290-02	1	Tube, Water (ANSI Adapter) – ANSI Flanges
15	504-0302	1	Valve, Ball (3 Way 3" DN80) – BS Flanges	38	130-7292-02	1	Tube, Water (ANSI 90° Elbow) – ANSI Flanges
16	505-2264	1	Coupling, Pipe (4" NB TEEKAY)	39	504-0294	1	Valve, Ball (3 Way 2" DN80) – ANSI Flanges
17	526-0399-62	24	Washer, Flat (M10)	40	504-0295	1	Valve, Ball (3 Way 3" DN80) – ANSI Flanges
18	526-0399-64	16	Washer, Flat (M12)				
19	526-0399-66	120	Washer, Flat (M16)				
20	800-3017-37	4	Screw, Hex Head (M10 x 1.5 x 25)				
21	800-3017-38	4	Screw, Hex Head (M10 x 1.5 x 30)				
22	800-3017-39	4	Screw, Hex Head (M10 x 1.5 x 35)				
23	800-3017-42	4	Screw, Hex Head (M10 x 1.5 x 50)				

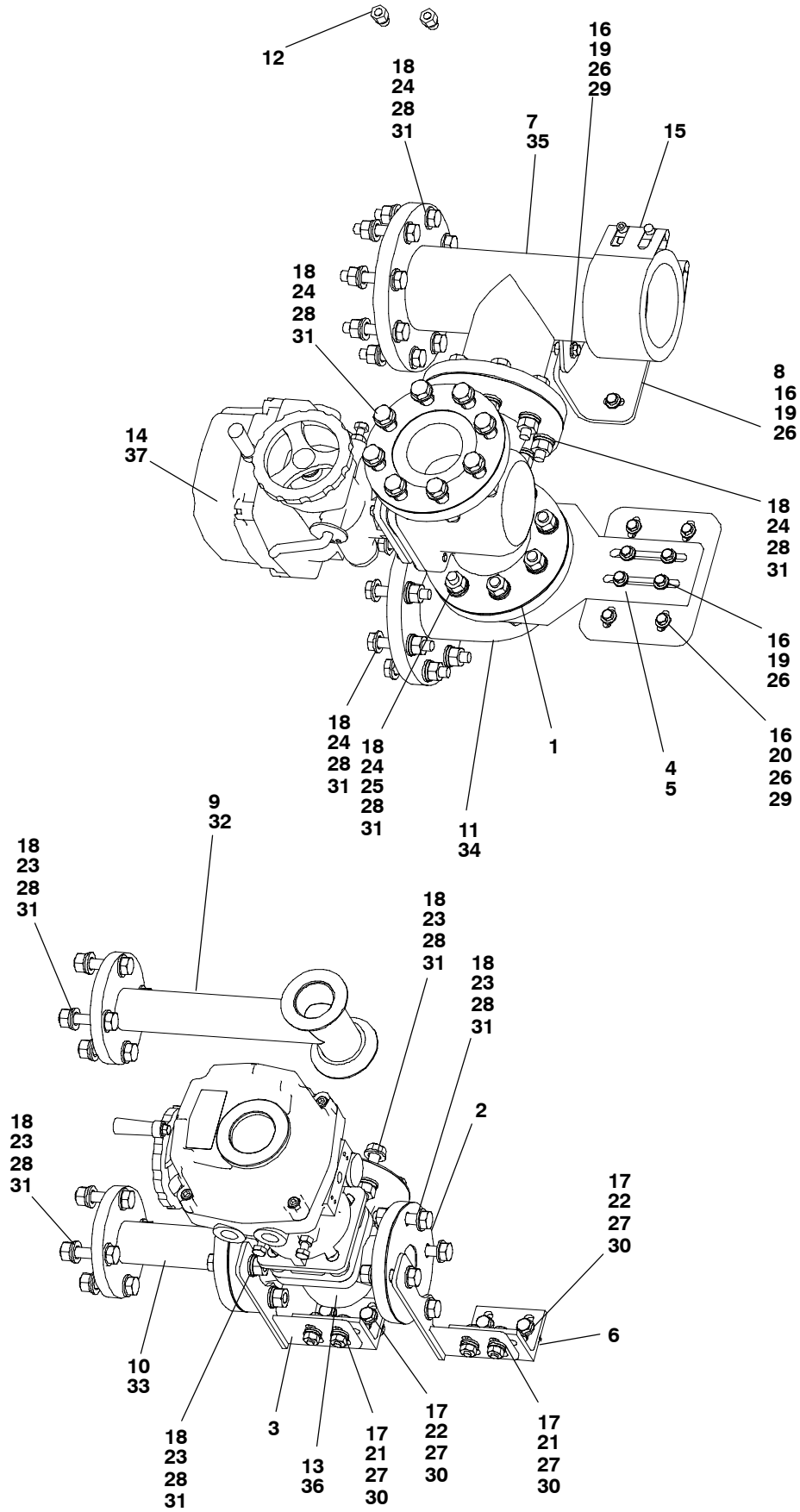
Cooling System Flanges



Cooling System Flanges

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-6405	3	Gasket, Radiator	26	800-3017-39	12	Screw, Hex Head (M10 x 1.5 x 35)
2	130-7145	3	Gasket, Radiator	27	800-3017-42	4	Screw, Hex Head (M10 x 1.5 x 50)
3	130-7223-02	2	Bracket, Tube (LT)	28	800-3017-55	4	Screw, Hex Head (M12 x 1.75 x 35)
4	130-7224-02	1	Plate, Support (Ball Valve)	29	800-3017-57	12	Screw, Hex Head (M12 x 1.75 x 45)
5	130-7225-02	1	Plate, Support (Flange)	30	800-3017-74	4	Screw, Hex Head (M16 x 2.0 x 50)
6	130-7226-02	2	Bracket, Tube (Support Angle)	31	800-3017-78	24	Screw, Hex Head (M16 x 2.0 x 70)
7	130-7227-02	1	Tube, Water (Tee) – ANSI Flanges	32	800-3017-80	44	Screw, Hex Head (M16 x 2.0 x 80)
8	130-7228-02	1	Tube, Water (Adaptor)	33	800-3017-82	4	Screw, Hex Head (M16 x 2.0 x 90)
9	130-7231-02	1	Bracket, Tube (Angle Support)	34	850-0114-55	16	Washer, Lock (M10)
10	130-7232	1	Gasket, Radiator (4")	35	850-0114-56	16	Washer, Lock (M12)
11	130-7289-02	1	Tube, Water (Inlet Adapter) – ANSI Flanges	36	850-0114-57	76	Washer, Lock (M16)
12	130-7290-02	1	Tube, Water (ANSI Adapter) – ANSI Flanges	37	862-0026-56	10	Nut, Hex (M10)
13	130-7292-02	1	Tube, Water (ANSI 90° Elbow) – ANSI Flanges	38	862-0026-57	16	Nut, Hex (M12)
14	130-7293	1	Gasket, Radiator (65NB)	39	862-0026-58	72	Nut, Hex (M16)
15	130-7306-02	1	Tube, Water (Transfer)	40	130-7212-02	1	Tube, Water (Inlet BS Flanges)
16	132-0475	1	Pump, Water (Remote)	41	130-7213-02	1	Tube, Water (Valve Out BS Flanges)
17	132-0481-02	2	Bracket, Water Pump (Support)	42	130-7214-02	1	Tube, Water (BS Flanges)
18	132-0482-02	2	Bracket, Water Pump (Support Plate)	43	130-7291-02	1	Tube, Water (BSS4504 TEE)
19	502-1318	2	Adapter, Pipe	44	504-0301	1	Valve, Ball (3 Way 2" DN80) – BS Flanges
20	504-0294	1	Valve, Ball (3 Way 2" DN80) – ANSI Flanges	45	504-0302	1	Valve, Ball (3 Way 3" DN80) – BS Flanges
21	504-0295	1	Valve, Ball (3 Way 3" DN80) – ANSI Flanges				
22	505-2264	1	Coupling, Pipe (4" NB TEEKAY)				
23	526-0399-62	26	Washer, Flat (M10)				
24	526-0399-64	32	Washer, Flat (M12)				
25	526-0399-66	148	Washer, Flat (M16)				

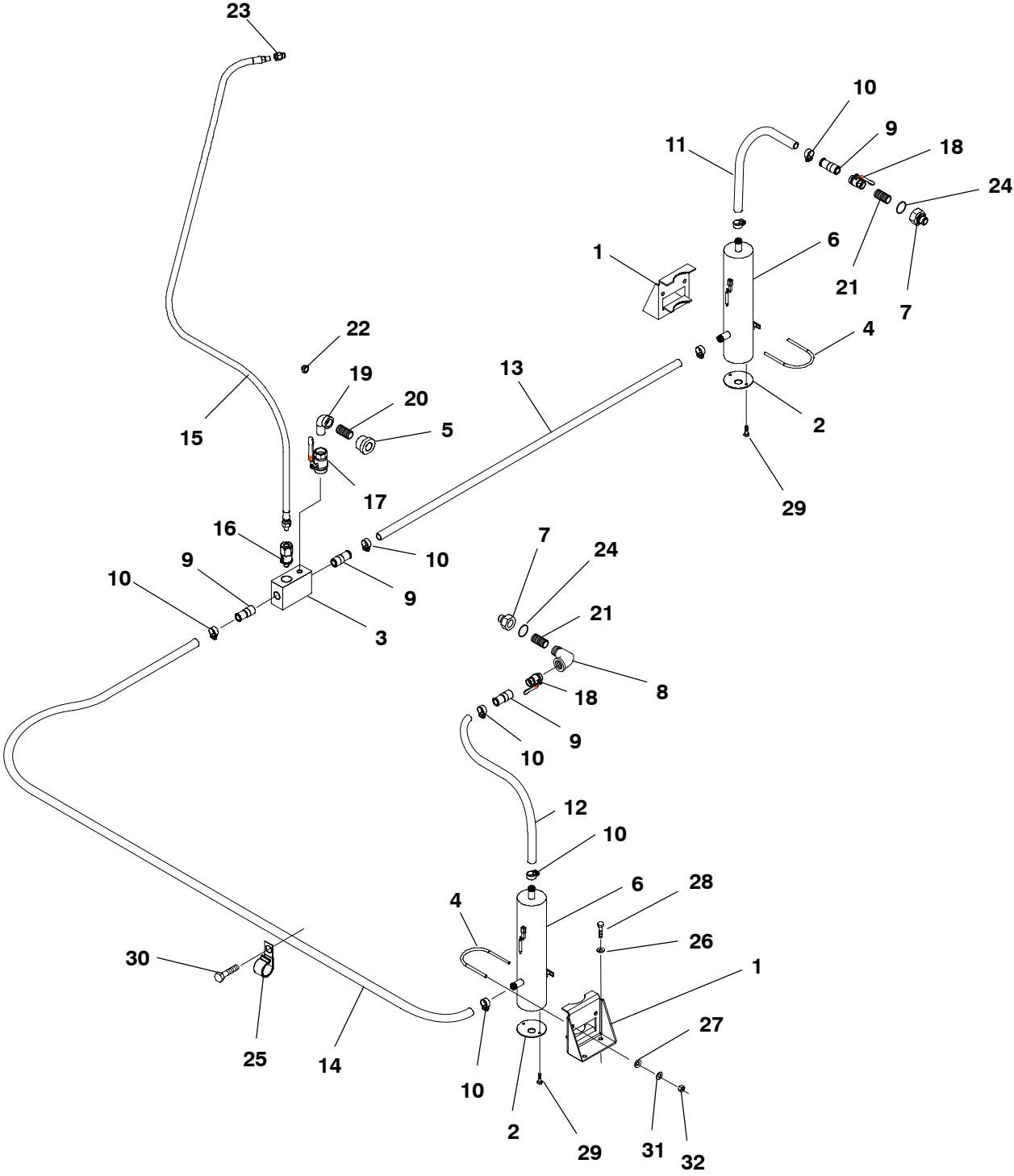
Cooling System Flanges



Cooling System Flanges

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-6405	3	Gasket, Radiator	21	800-3017-55	4	Screw, Hex Head (M12 x 1.75 x 35)
2	130-7145	3	Gasket, Radiator	22	800-3017-57	4	Screw, Hex Head (M12 x 1.75 x 45)
3	130-7223-02	2	Bracket, Tube (LT)	23	800-3017-78	20	Screw, Hex Head (M16 x 2.0 x 70)
4	130-7224-02	1	Plate, Support (Ball Valve)	24	800-3017-80	36	Screw, Hex Head (M16 x 2.0 x 80)
5	130-7225-02	1	Plate, Support (Flange)	25	800-3017-82	4	Screw, Hex Head (M16 x 2.0 x 90)
6	130-7226-02	2	Bracket, Tube (Support Angle)	26	850-0114-55	12	Washer, Lock (M10)
7	130-7227-02	1	Tube, Water (Tee) – ANSI Flanges	27	850-0114-56	8	Washer, Lock (M12)
8	130-7231-02	1	Bracket, Tube (Angle Support)	28	850-0114-57	60	Washer, Lock (M16)
9	130-7289-02	1	Tube, Water (Inlet Adapter) – ANSI Flanges	29	862-0026-56	6	Nut, Hex (M10)
10	130-7290-02	1	Tube, Water (ANSI Adapter) – ANSI Flanges	30	862-0026-57	8	Nut, Hex (M12)
11	130-7292-02	1	Tube, Water (ANSI 90° Elbow) – ANSI Flanges	31	862-0026-58	60	Nut, Hex (M16)
12	502-1318	2	Adapter, Pipe	32	130-7212-02	1	Tube, Water (Inlet BS Flanges)
13	504-0294	1	Valve, Ball (3 Way 2" DN80) – ANSI Flanges	33	130-7213-02	1	Tube, Water (Valve Out BS Flanges)
14	504-0295	1	Valve, Ball (3 Way 3" DN80) – ANSI Flanges	34	130-7214-02	1	Tube, Water (BS Flanges)
15	505-2264	1	Coupling, Pipe (4" NB TEEKAY)	35	130-7291-02	1	Tube, Water (BSS4504 TEE)
16	526-0399-62	18	Washer, Flat (M10)	36	504-0301	1	Valve, Ball (3 Way 2" DN80) – BS Flanges
17	526-0399-64	16	Washer, Flat (M12)	37	504-0302	1	Valve, Ball (3 Way 3" DN80) – BS Flanges
18	526-0399-66	120	Washer, Flat (M16)				
19	800-3017-39	8	Screw, Hex Head (M10 x 1.5 x 35)				
20	800-3017-42	4	Screw, Hex Head (M10 x 1.5 x 50)				

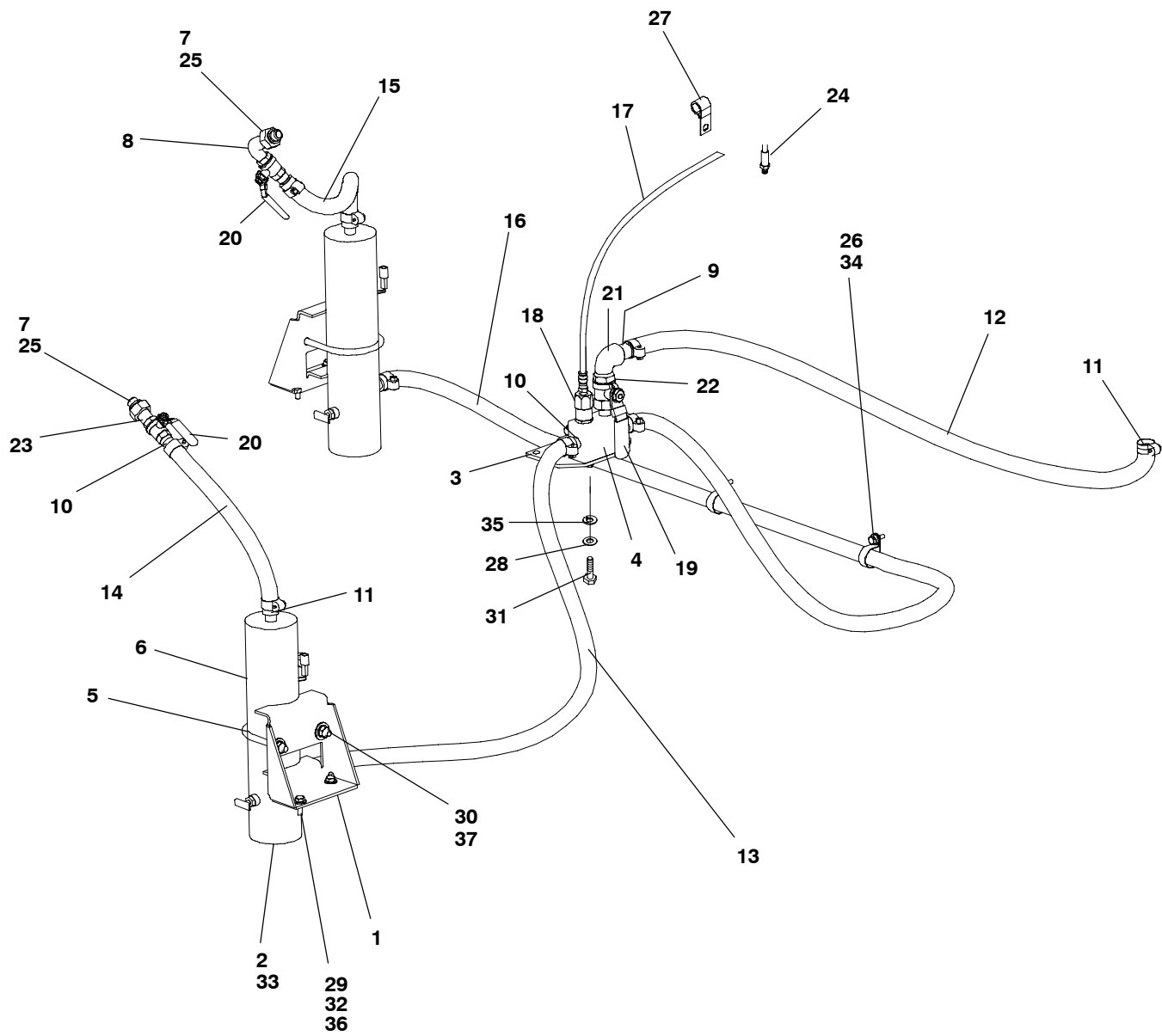
Coolant Heater
GQKB



Coolant Heater GQKB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4546-01	2	Bracket, Water Heater	18	504-0247	2	Valve, Ball (1/2)
2	130-5391-02	2	Cover, Water Heater	19	504-1574	1	Elbow, Pipe – 90° (3/4)
3	133-0233	1	Manifold, Heater	20	505-2086	2	Nipple, Pipe (3/4)
4	155-3451	2	Clamp, Water Heater – 90° (M10)	21	505-2098	2	Nipple, Pipe (1/2)
5	231-0402-02	1	Adapter (M42 x 3/4)	22	505-2203	1	Plug, Pipe (M14 x 1.5 x 9)
6	333-0634-02	2	Heater, Coolant – 6420 Watt	23	505-2207	1	Adapter, Pipe (M16 x 1.5 x 1/4)
7	502-1315	2	Adapter, Pipe – Stor to Female	24	509-0478	2	Seal – “O” Ring
8	502-1369	1	Elbow, M/F – 90° (1/2)	25	518-0548-05	3	Clamp, Hose
9	502-1475	4	Adapter, Hose (1/2 x 19)	26	526-0399-62	4	Washer, Flat (M10)
10	503-1872-01	8	Clamp, Hose	27	526-0399-63	4	Washer, Flat (M10)
11	503-2204-06	1	Hose, Steam (19mm x 300)	28	800-3017-37	4	Screw, Hex Head (M10 x 1.5 x 25)
12	503-2204-07	1	Hose, Steam (19mm x 800)	29	815-0464	4	Screw, Round Head – Thread Cutting – W/IT (#8-32 x 1.0)
13	503-2204-08	1	Hose, Steam (19mm x 1000)	30	821-6003-02	3	Screw, Hex Washer Head (M8 x 20)
14	503-2204-09	1	Hose, Steam (19mm x 1700)	31	850-0114-55	4	Washer, Lock – Spring (M10)
15	503-2518	1	Hose, Vent	32	862-0026-56	4	Nut, Hex (M10)
16	504-0215	1	Valve, Check (1/4)				
17	504-0239	1	Valve, Ball (3/4)				

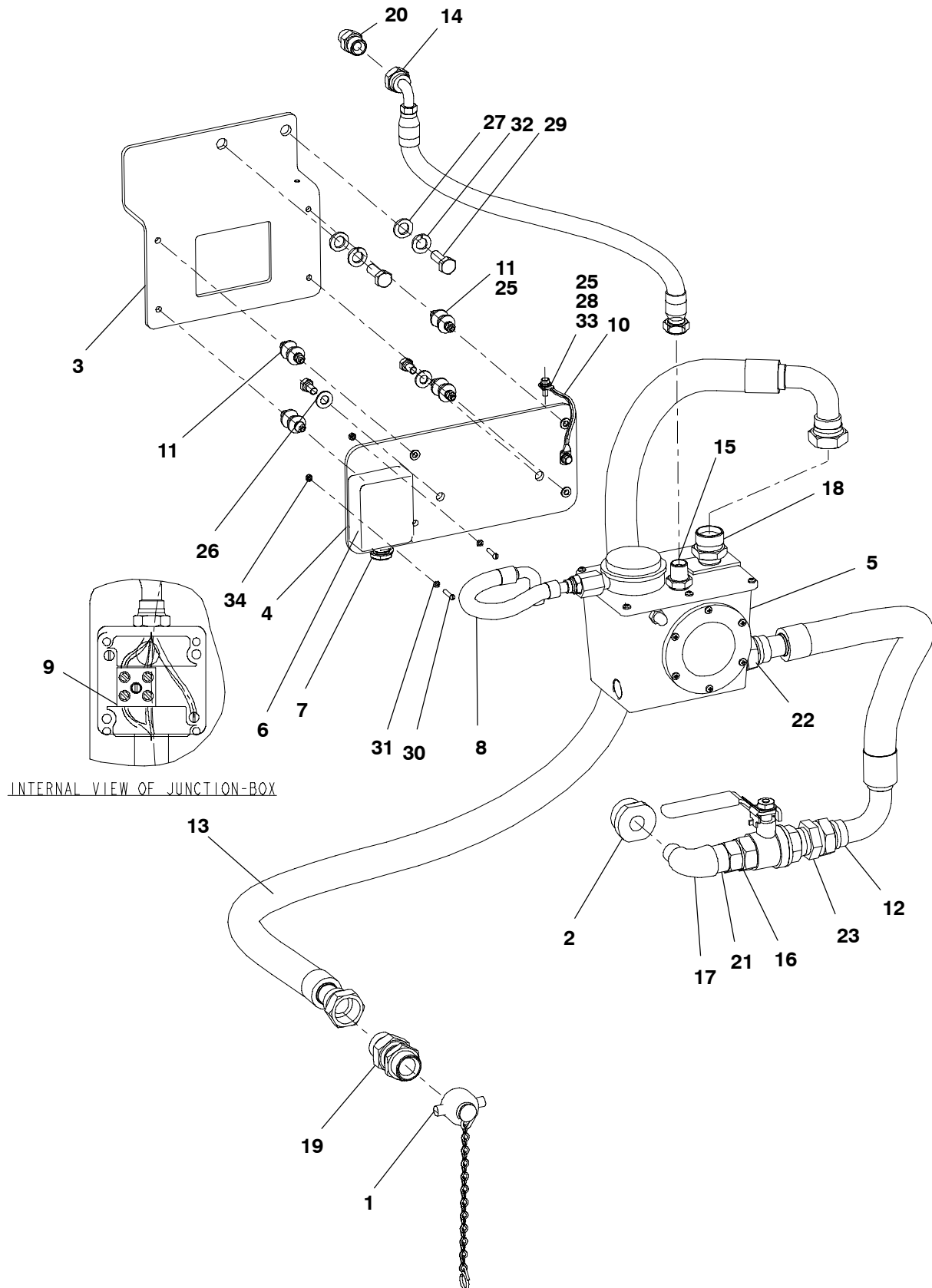
Coolant Heater
PH4 60Hz



Coolant Heater PH4 60Hz

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4546-01	2	Bracket, Water Heater	21	504-1574	1	Elbow, Pipe – 90° (3/4)
2	130-5391-02	2	Cover, Water Heater	22	505-2086	1	Nipple, Pipe (3/4)
3	130-7372-02	1	Plate, Support (Manifold)	23	505-2098	2	Nipple, Pipe (1/2)
4	133-0233	1	Manifold, Heater	24	505-2207	1	Adapter, Pipe (M16 x 1.5 x 1/4)
5	155-3451	2	Clamp, Water Heater – 90° (M10)	25	509-0478	2	Seal – “O” Ring
6	333-0634-02	2	Heater, Coolant – 6420 Watt	26	518-0548-05	3	Clamp, Hose
7	502-1315	2	Adapter, Pipe – Stor to Female	27	518-0548-25	2	Clamp, Hose
8	502-1369	1	Elbow, M/F – 90° (1/2)	28	526-0399-58	2	Washer, Flat (M6)
9	502-1457	1	Adapter, Hose	29	526-0399-62	4	Washer, Flat (M10)
10	502-1475	4	Adapter, Hose (1/2 x 19)	30	526-0399-63	4	Washer, Flat (M10)
11	503-1872-01	10	Clamp, Hose	31	800-3017-04	2	Screw, Hex Head (M6 x 1.0 x 20)
12	503-2203-04 A/R		Hose, Steam	32	800-3017-37	4	Screw, Hex Head (M10 x 1.5 x 25)
13	503-2204-02	1	Hose, Steam (19mm x 1200)	33	815-0464	4	Screw, Round Head – Thread Cutting – W/IT (#8-32 x 1.0)
14	503-2204-06	1	Hose, Steam (19mm x 300)	34	821-6003-02	3	Screw, Hex Washer Head (M8 x 20)
15	503-2204-07	1	Hose, Steam (19mm x 800)	35	850-0114-53	2	Washer, Lock (M6)
16	503-2204-12	1	Hose, Steam (19mm x 2500)	36	850-0114-55	4	Washer, Lock (M10)
17	503-2518	1	Hose, Vent	37	862-0026-56	4	Nut, Hex (M10)
18	504-0215	1	Valve, Check (1/4)				
19	504-0239	1	Valve, Ball (3/4)				
20	504-0247	2	Valve, Ball (1/2)				

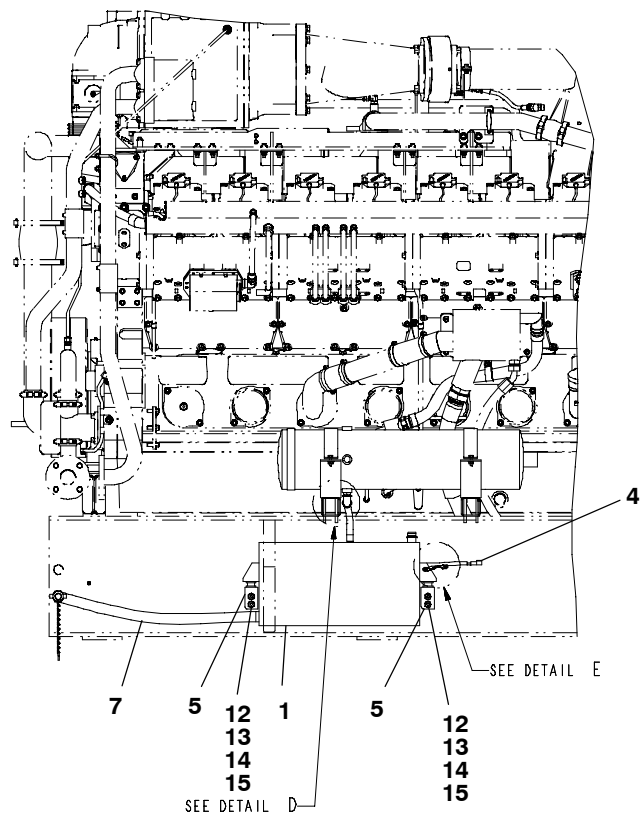
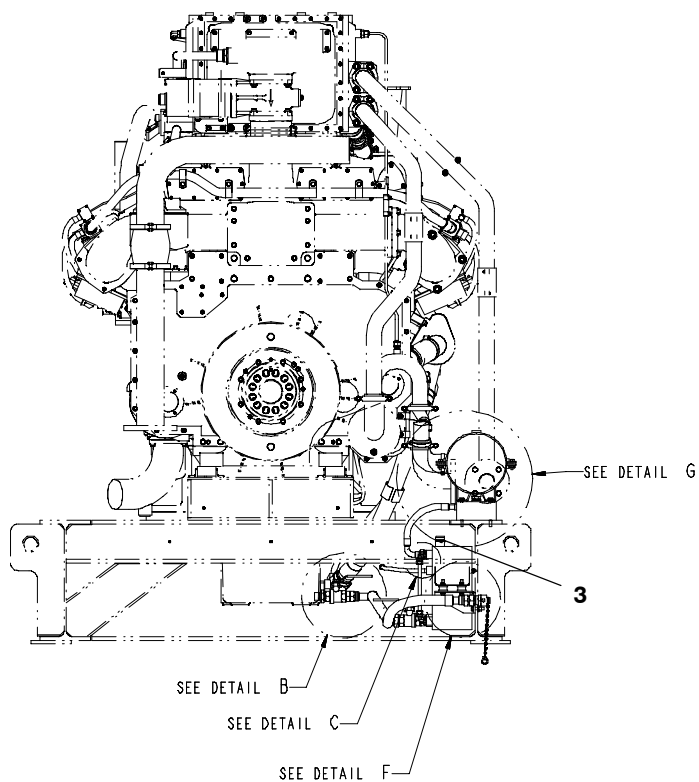
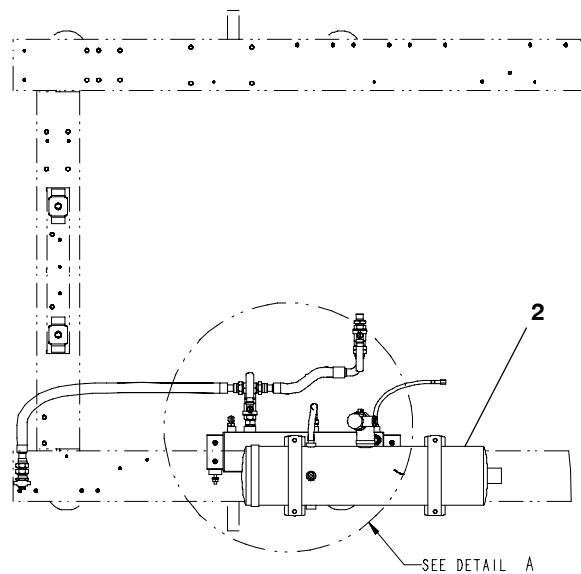
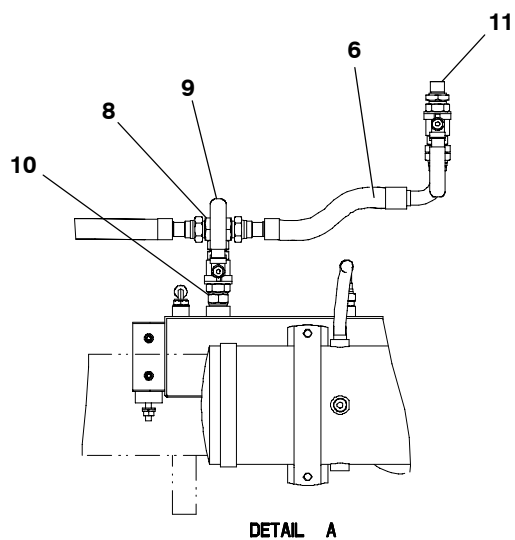
Oil System Oil Make-Up



Oil System Oil Make-Up

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-2198	1	Cap, Oil Fill	20	505-2074	1	Adapter, Pipe (M18)
2	231-0402-02	1	Adapter (M42 x 3/4)	21	505-2077	1	Adapter, Pipe (1" x 3/4")
3	305-1019-02	1	Bracket, Oil Make-Up Support	22	505-2083	1	Adapter, Pipe
4	305-1038-02	1	Bracket, Regulator	23	505-2085	1	Adapter, Pipe
5	309-0679	1	Switch, Level	24	526-0399-58	10	Washer, Flat (M6) (Not Shown)
6	319-5630	1	Box, Junction	25	526-0399-62	2	Washer, Flat (M10)
7	332-4026	1	Clamp, Cable	26	526-0399-64	2	Washer, Flat (M12)
8	331-0617	1	Conduit (Oil Make-Up)	27	800-3017-03	2	Screw, Hex Head (M6 x 1.0 x 16)
9	332-3023	1	Block, Terminal	28	800-3017-35	2	Screw, Hex Head (M10 x 1.5 x 16)
10	337-3582-06	1	Strap, Ground	29	800-3017-54	2	Screw, Hex Head (M12 x 1.75 x 30)
11	403-4911	4	Pad, Mounting	30	815-1540-19	2	Screw, Slotted Head (M4 x 12)
12	501-0760	1	Hose	31	850-0114-51	2	Washer, Lock (M4)
13	501-0767	1	Hose	32	850-0114-53	2	Washer, Lock (M6)
14	501-0781	1	Hose	33	850-0114-56	2	Washer, Lock (M12)
15	502-1441	1	Adapter, Hose	34	862-0026-52	2	Nut, Hex (M4)
16	504-0227	1	Valve, Ball				
17	505-1574	1	Elbow, Pipe (3/4") - 90°				
18	505-2048	1	Adapter, Pipe (1/2" x 1")				
19	505-2070	1	Adapter, Pipe (1")				

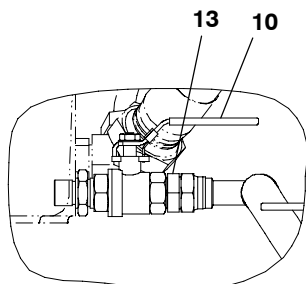
Oil System Dirty Oil (Illustration #1)



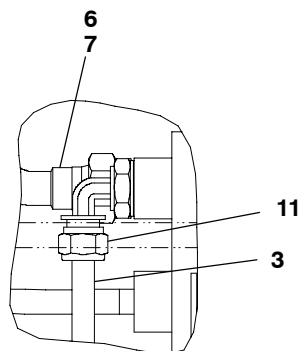
**Oil System
Dirty Oil
(Parts for Illustration #1)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102-1507-02	1	Tank, Oil – Dirty Oil	9	504-0227	2	Valve, Ball
2	122-0862-01	1	Filter, Oil	10	505-2068	1	Adapter, Pipe
3	123-2204	1	Adapter, Breather	11	505-2359-02	1	Adapter, Pipe
4	193-0566	1	Sensor, Level	12	526-0399-64	4	Washer, Flat – Steel (M12)
5	403-5251-02	2	Bracket, Tank	13	800-3017-56	4	Screw, Hex Head (M12 x 1.75 x 40)
6	501-0775	1	Hose	14	850-0114-56	4	Washer, Lock – Steel (M12)
7	501-0950	1	Hose	15	862-0026-57	4	Nut, Hex (M12)
8	502-1433	1	Tee, Hose				

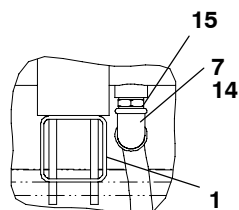
Oil System Dirty Oil (Illustration #2)



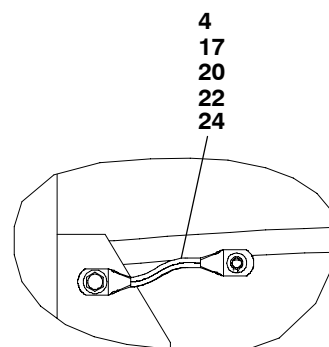
DETAIL B



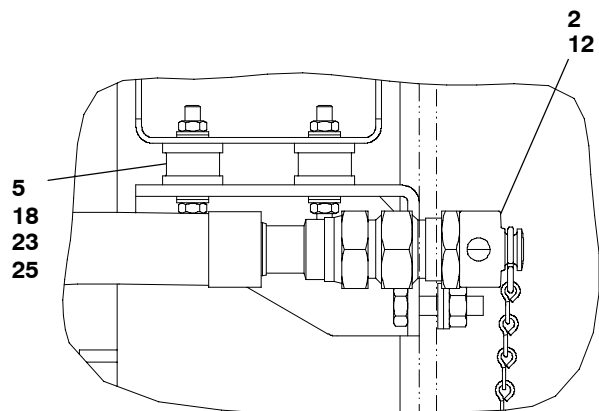
DETAIL C



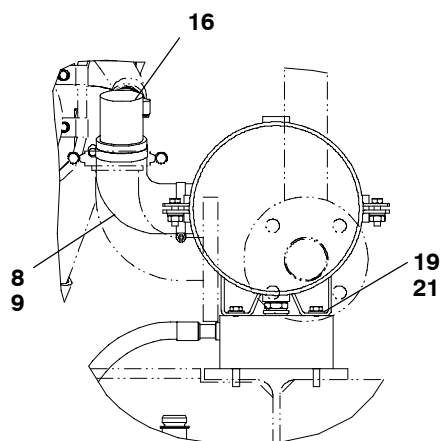
DETAIL D



DETAIL E



DETAIL F

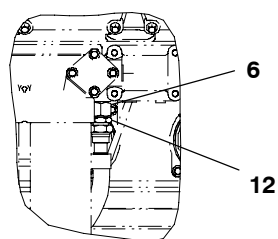
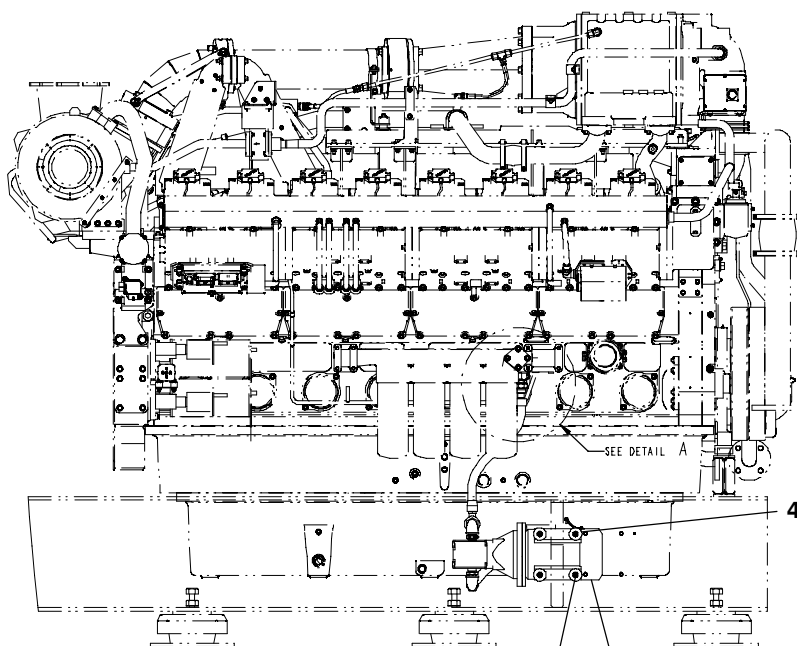
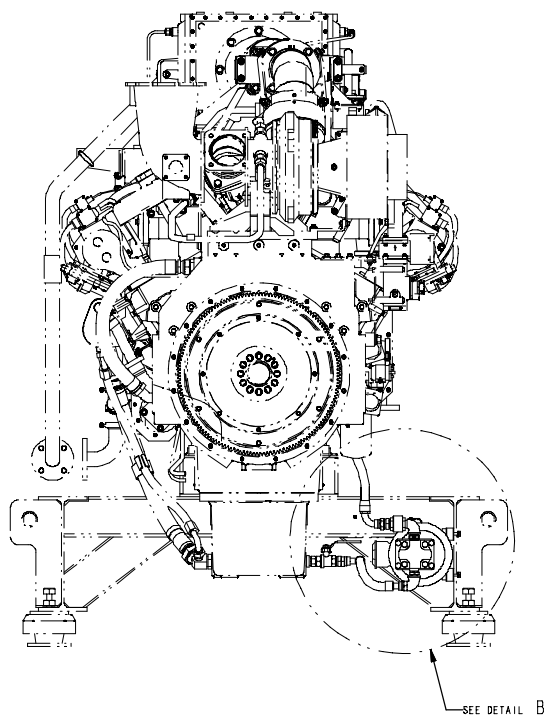


DETAIL G

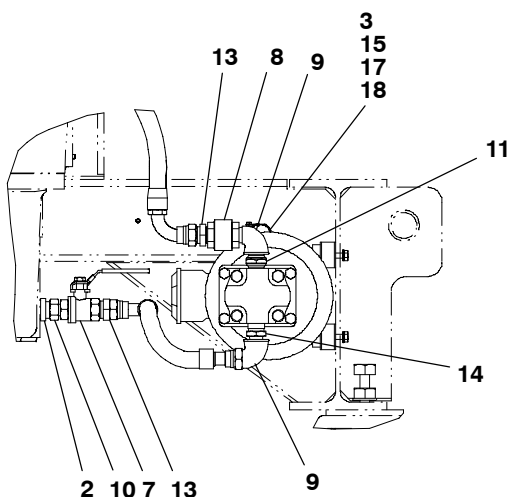
**Oil System
Dirty Oil
(Parts for Illustration #2)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0919-02	2	Spacer, Oil Filter	15	505-2317	1	Adapter, Pipe
2	123-2198	1	Cap, Oil Fill	16	505-2367-02	1	Tee, Pipe
3	123-2205	1	Tube, Oil Indicator	17	526-0399-58	3	Washer, Flat (M6)
4	337-3582-06	1	Strap, Ground	18	526-0399-60	8	Washer, Flat (M8)
5	403-4916	4	Pad, Mounting	19	526-0399-62	4	Washer, Flat (M10)
6	501-0823	1	Hose	20	800-3017-03	2	Screw, Hex Head (M6 x 1.0 x 16)
7	502-1441	2	Adapter, Hose	21	800-3017-51	4	Screw, Hex Head (M10 x 1.5 x 100)
8	503-2364	1	Elbow, Hose	22	850-0114-53	2	Washer, Lock (M6)
9	503-2373	2	Clamp, Hose	23	850-0114-54	8	Washer, Lock (M8)
10	504-0227	2	Valve, Ball	24	862-0026-54	1	Nut, Hex (M6)
11	505-2069	2	Elbow, Pipe	25	862-0026-55	8	Nut, Hex (M8)
12	505-2070	1	Adapter, Pipe				
13	505-2085-02	1	Adapter, Pipe				
14	505-2141	1	Elbow - 90°				

Oil System Oil Priming



DETAIL A

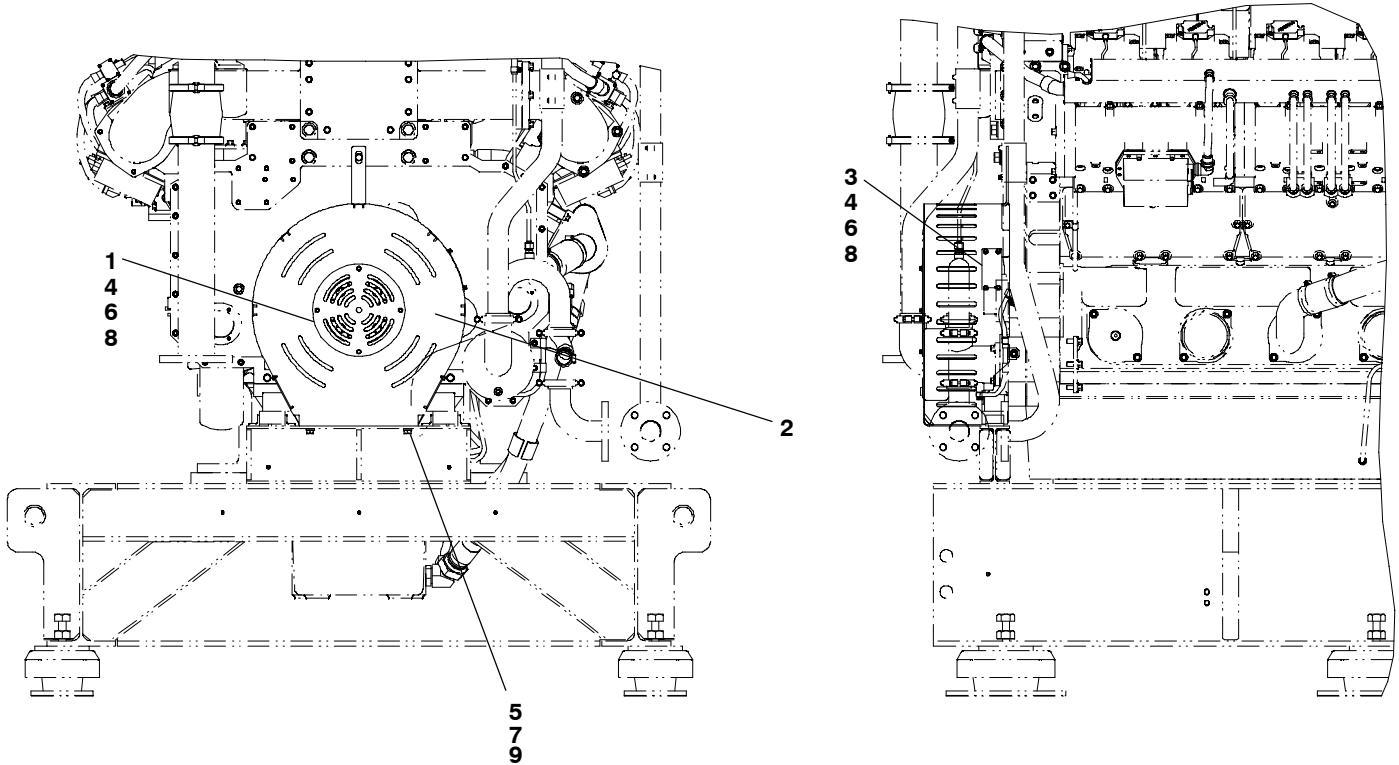


DETAIL B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	120-1357	1	Pump, Oil
2	231-0402-02	1	Adapter, Pipe (M42 x 3/4")
3	337-3582-06	1	Strap, Ground
4	403-4909	4	Pad, Mounting
5	501-0760	2	Hose
6	502-1326	1	Adapter, Pipe (M33 x 3/4")
7	504-0227	1	Valve, Ball
8	504-0261	1	Valve, Check
9	505-2061	2	Elbow, Pipe (1" - 90°)
10	505-2077	1	Adapter, Pipe (1" x 3/4")
11	505-2079	1	Adapter, Pipe (1" x 1")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	505-2083	1	Adapter, Pipe (1" x 3/4")
13	505-2085	2	Adapter, Pipe (1" x 1")
14	505-2225-02	1	Adapter, Pipe (1" x 1/2")
15	526-0399-58	2	Washer, Flat (M6)
16	526-0399-62	8	Washer, Flat (M10)
17	800-3017-04	2	Screw, Hex Head (M6 x 1.0 x 20)
18	850-0114-53	2	Washer, Lock - Split (M6)
19	850-0114-55	8	Washer, Lock - Split (M10)
20	862-0026-56	8	Nut, Hex (M10 x 1.5)

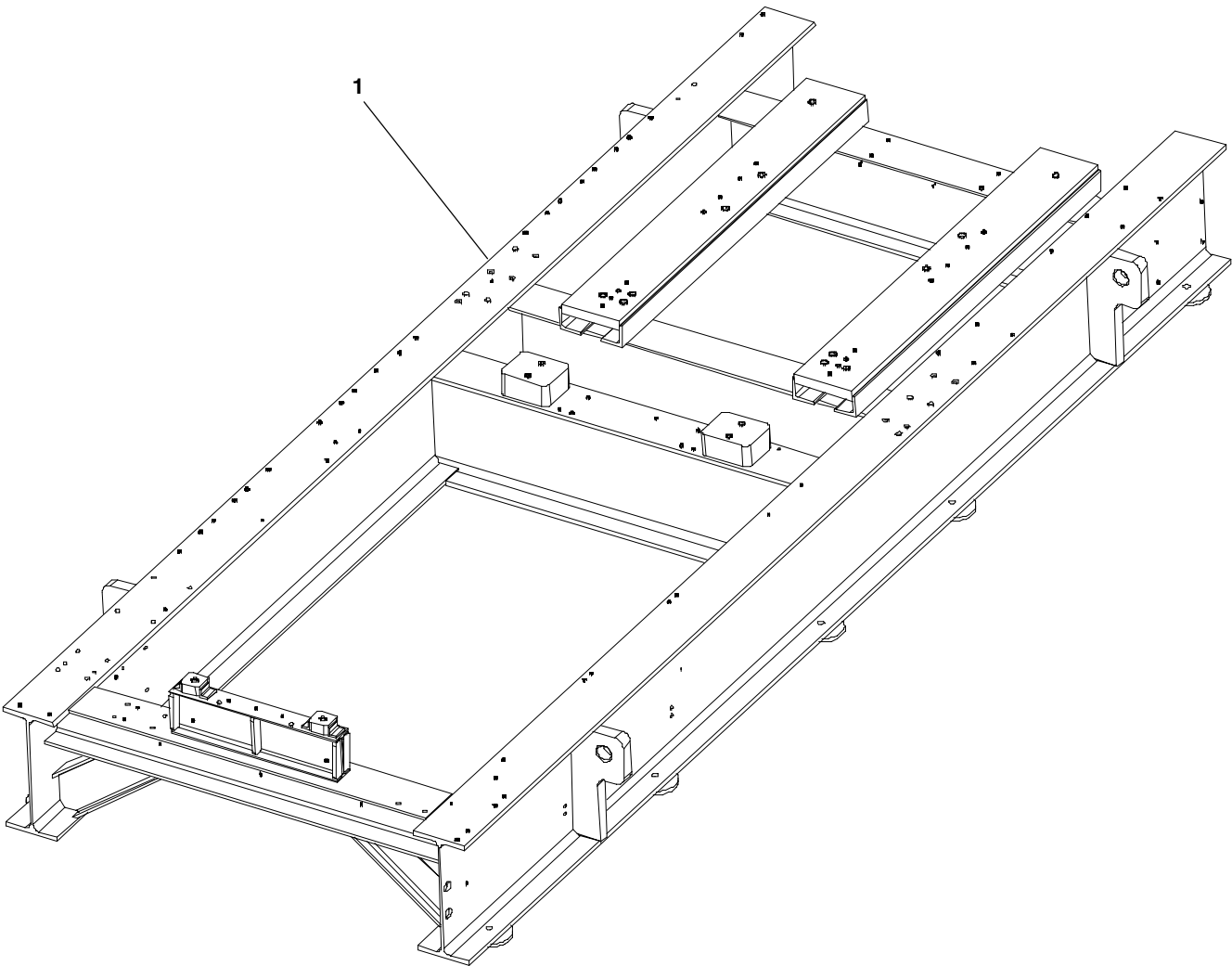
Damper Guard



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	104-2077-02	1	Damper, Crankshaft (Cover)
2	104-2078-02	1	Damper, Crankshaft (Guard)
3	104-2079-02	1	Damper, Crankshaft (Cover Plate)
4	526-0399-58	8	Washer, Flat (M6)
5	526-0399-64	2	Washer, Flat (M12)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	800-3017-02	8	Screw, Hex Head (M6 x 1.0 x 12)
7	800-3017-54	2	Screw, Hex Head (M12 x 1.75 x 30)
8	850-0114-53	8	Washer, Lock (M6)
9	850-0114-56	2	Washer, Lock (M12)

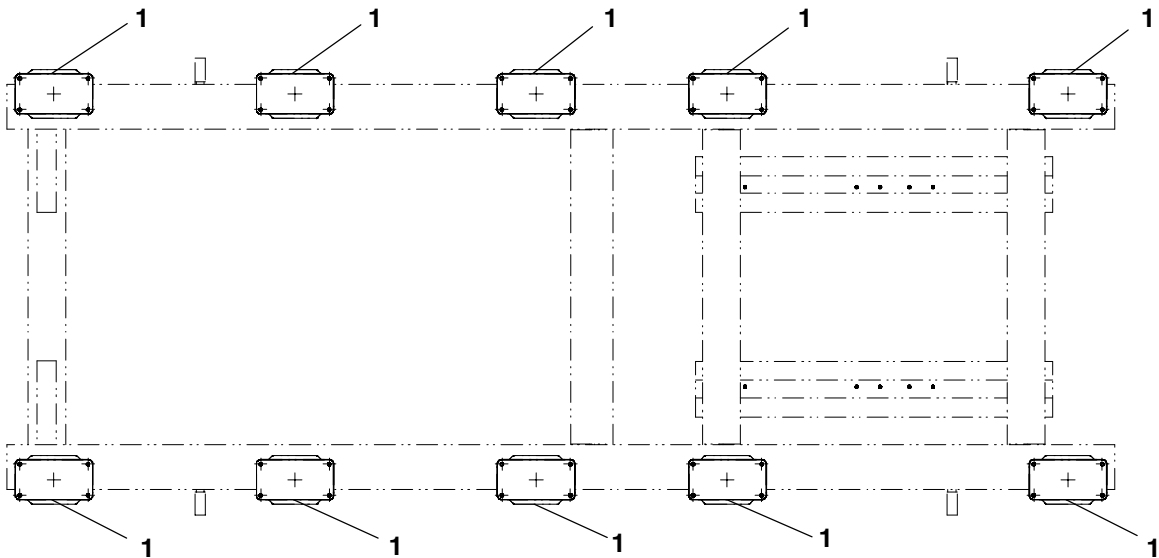
Skid



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-6142-02 403-6143-02		Skid DIG and DSG P7, MV7 and P80

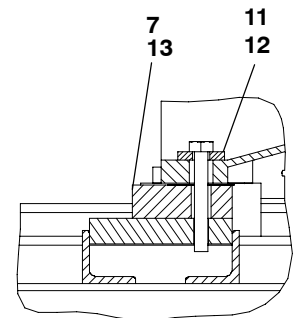
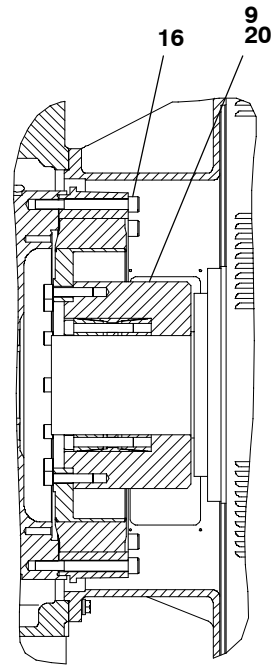
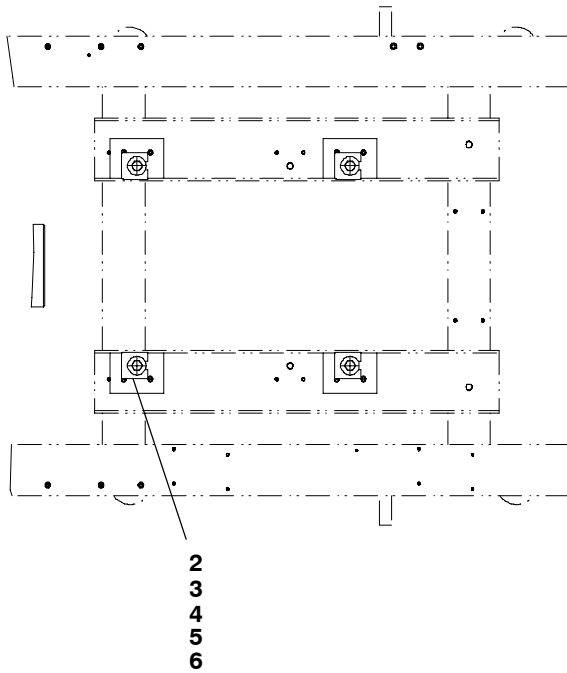
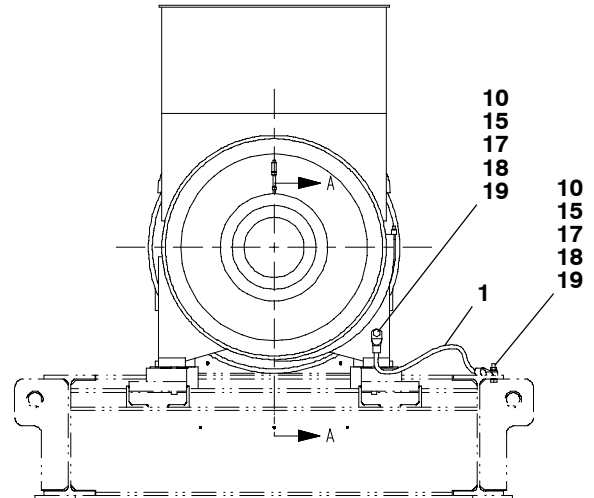
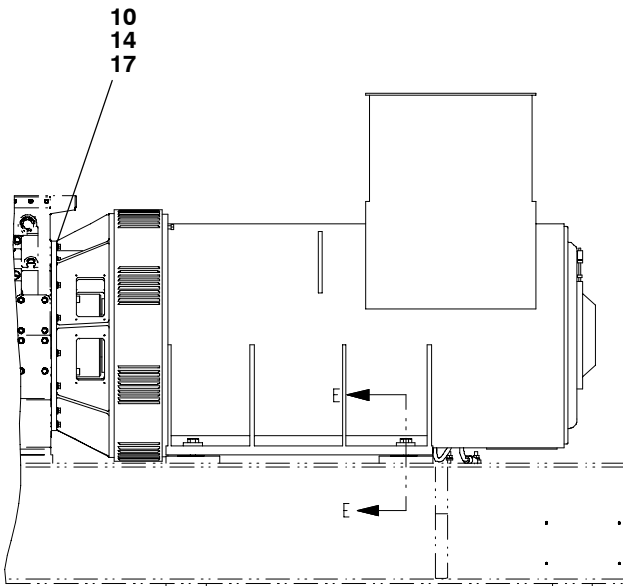
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
---------	----------	----------	------------------

Vibration Isolator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	402-0880	10	Isolator, Vibration (Spring LR4800)				

Generator Fasteners 50Hz/60Hz P7F/G



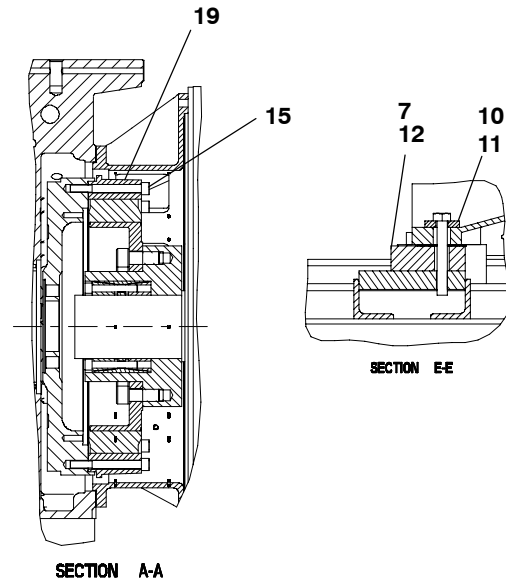
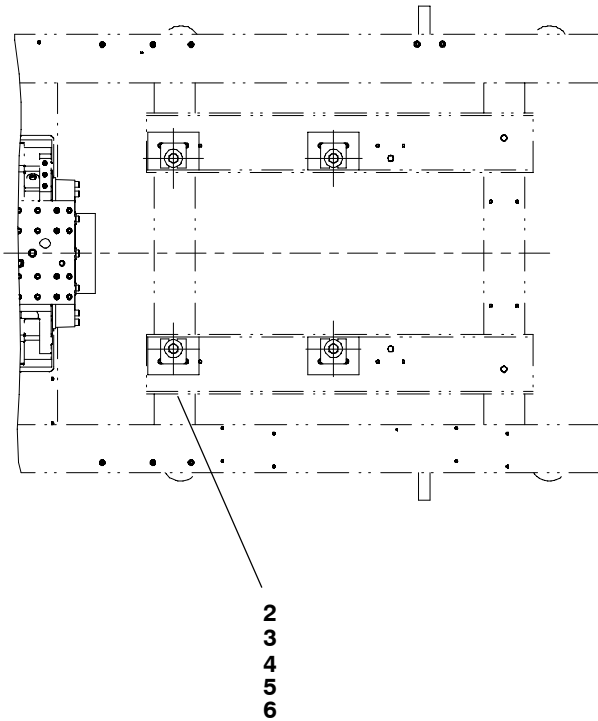
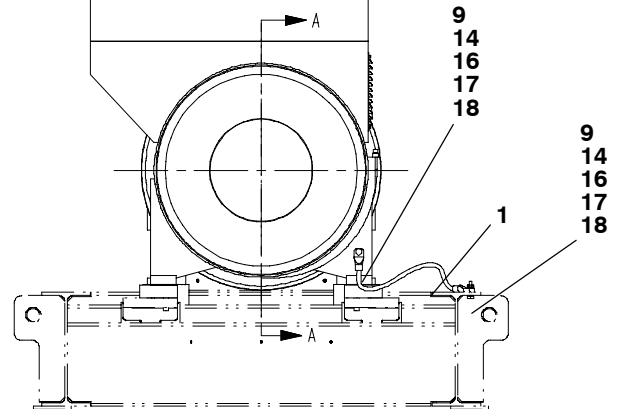
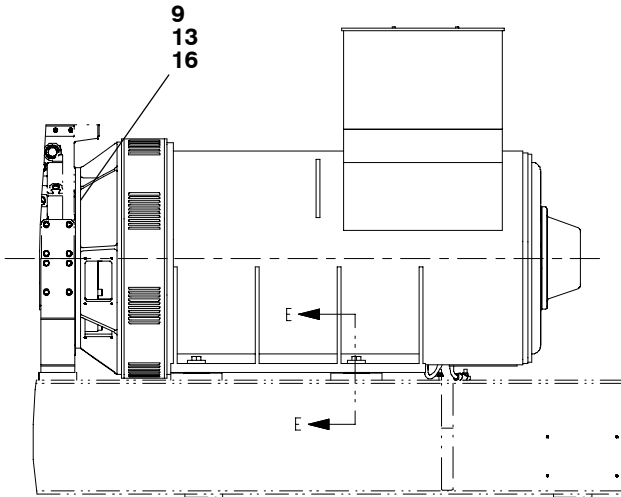
SECTION E-E

SECTION A-A

Generator Fasteners 50Hz/60Hz P7F/G

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226-4921-01	1	Lead (Earth Strap)	13	725-1109	8	Screw, Cap – Socket Head (M12 x 70)
2	232-4164-01 A/R		Shim, Generator (0.1mm Thick)	14	800-3017-57	16	Screw, Hex Head (M12 x 1.75 x 45)
3	232-4164-02 A/R		Shim, Generator (0.2mm Thick)	15	800-6288-12	3	Screw, Hex Head (M12 x 1.75 x 60)
4	232-4164-03 A/R		Shim, Generator (0.5mm Thick)	16	802-2545-09	12	Screw, Socket Head (M16 x 140)
5	232-4164-04 A/R		Shim, Generator (1.0mm Thick)	17	850-0114-56	19	Washer, Lock (M12)
6	232-4164-05 A/R		Shim, Generator (2.0mm Thick)	18	853-0040-57	3	Washer, Lock – W/ET (M12)
7	403-6144-02	4	Spacer, Generator	19	862-0026-57	3	Nut, Hex (M12)
8	509-0449	A/R	Seal, Oil	20	512-0364-02	1	Coupling, Flex – 60Hz P7F/G
9	512-0364-01	1	Coupling, Flex – 50Hz P7F/G				
10	526-0399-64	19	Washer, Flat (M12)				
11	526-0460-02	4	Washer, Generator Mounting				
12	718-1184	4	Screw, Hex Head (M24 x 3 x 150)				

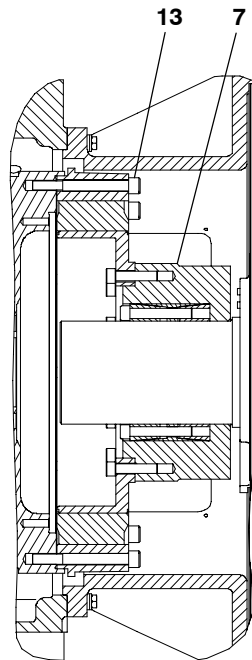
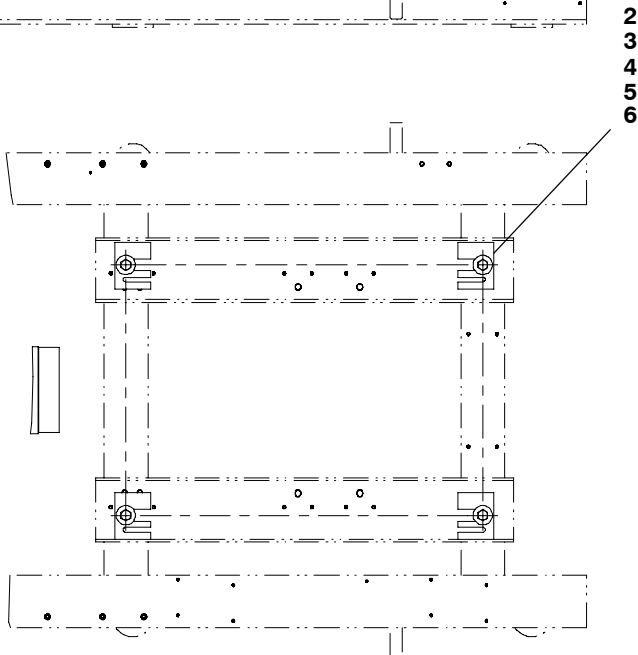
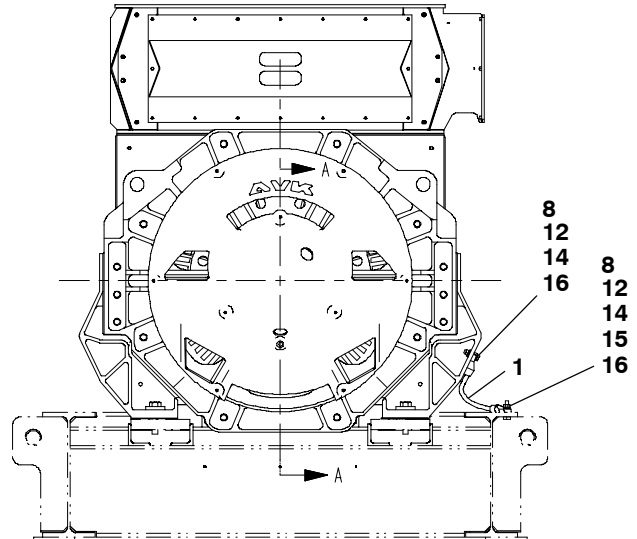
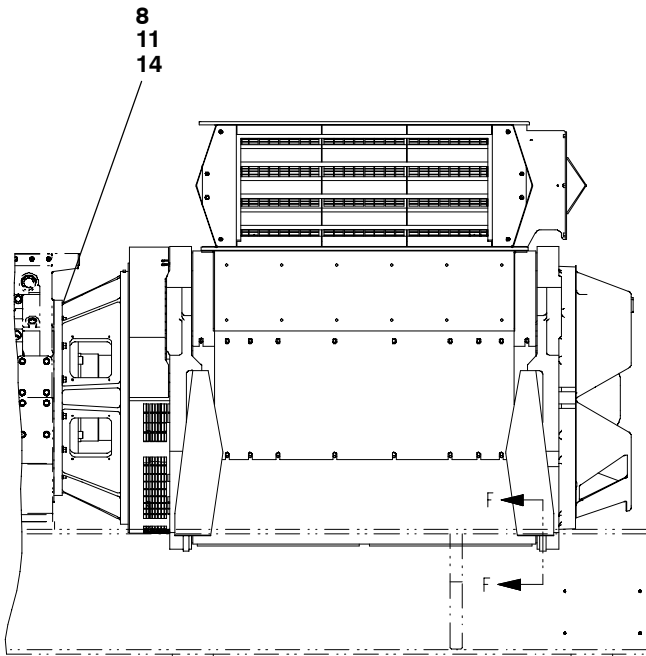
Generator Fasteners MV7 P7E



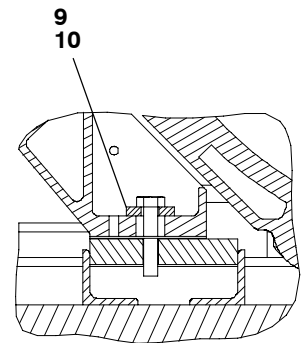
Generator Fasteners MV7 P7E

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226-4921-01	1	Lead (Earth Strap)	12	725-1109	8	Screw, Cap – Socket Head (M12 x 70)
2	232-4164-01 A/R		Shim, Generator (0.1mm Thick)	13	800-3017-57	16	Screw, Hex Head (M12 x 1.75 x 45)
3	232-4164-02 A/R		Shim, Generator (0.2mm Thick)	14	800-6288-12	3	Screw, Hex Head (M12 x 1.75 x 60)
4	232-4164-03 A/R		Shim, Generator (0.5mm Thick)	15	802-2545-09	12	Screw, Socket Head (M16 x 140)
5	232-4164-04 A/R		Shim, Generator (1.0mm Thick)	16	850-0114-56	19	Washer, Lock (M12)
6	232-4164-05 A/R		Shim, Generator (2.0mm Thick)	17	853-0040-57	3	Washer, Lock – W/ET (M12)
7	403-6144-02	4	Spacer, Generator	18	862-0026-57	3	Nut, Hex (M12)
8	509-0449	A/R	Seal, Oil	19	512-0365	1	Coupling, Flex – MVP7 P7E
9	526-0399-64	19	Washer, Flat (M12)				
10	526-0460-02	4	Washer, Generator Mounting				
11	718-1184	4	Screw, Hex Head (M24 x 3 x 150)				

Generator Fasteners P80



SECTION A-A



SECTION F-F

Generator Fasteners P80

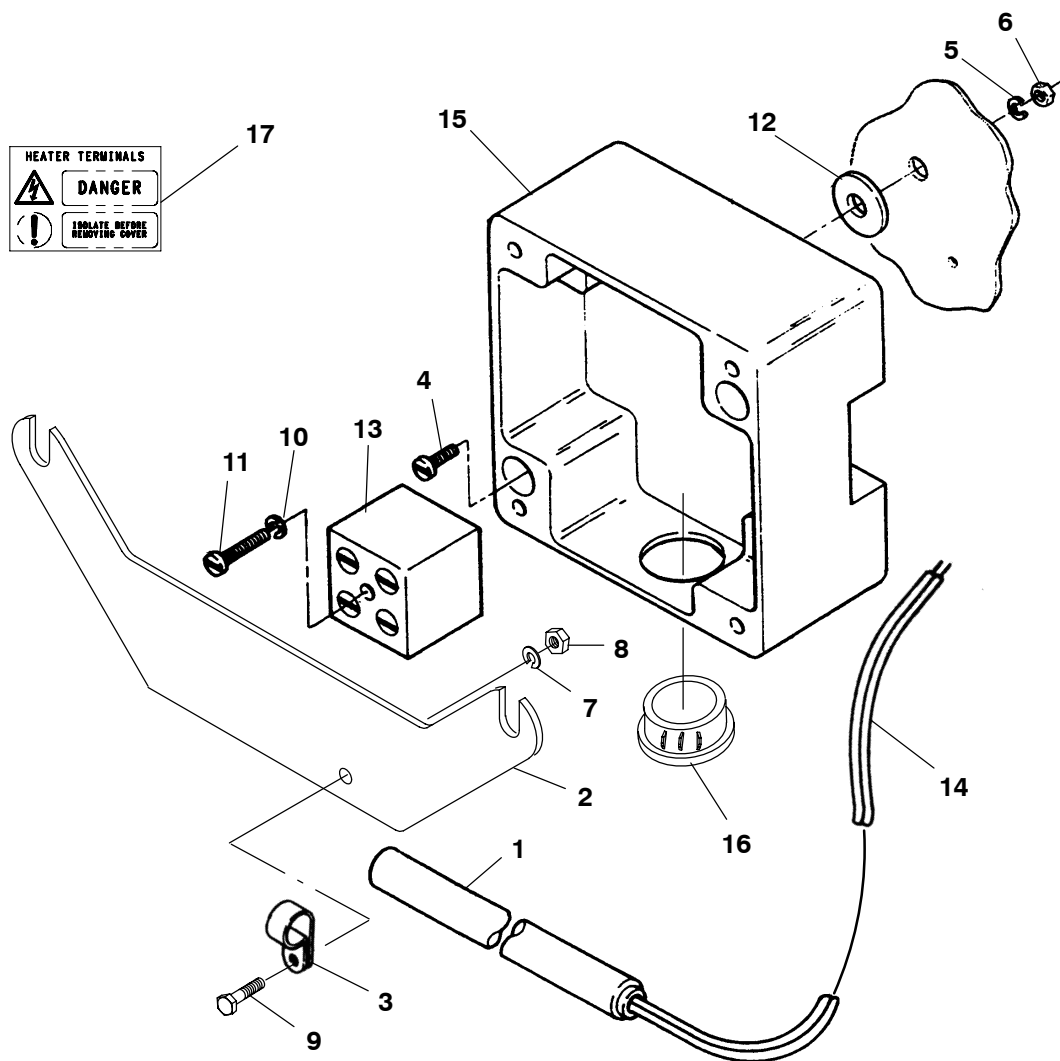
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226-4921-01	1	Lead (Earth Strap)	11	800-3017-58	17	Screw, Hex Head (M12 x 1.75 x 50)
2	232-4168-01 A/R		Shim, Generator (0.1mm Thick)	12	800-6288-12	2	Screw, Hex Head (M12 x 1.75 x 60)
3	232-4168-02 A/R		Shim, Generator (0.2mm Thick)	13	802-2545-09	12	Screw, Socket Head (M16 x 140)
4	232-4168-03 A/R		Shim, Generator (0.5mm Thick)	14	850-0114-56	19	Washer, Lock (M12)
5	232-4168-04 A/R		Shim, Generator (1.0mm Thick)	15	853-0040-57	2	Washer, Lock - W/ET (M12)
6	232-4168-05 A/R		Shim, Generator (2.0mm Thick)	16	862-0026-57	3	Nut, Hex (M12)
7	512-0363-01	1	Coupling, Flex				
8	526-0399-64	20	Washer, Flat (M12)				
9	526-0460-02	4	Washer, Generator Mounting				
10	718-1179	4	Screw, Hex Head (M24 x 3 x 100)				

Generator

Generator component parts cannot be ordered from Cummins Power Generation. Refer to the Newage nameplate and supply all available information. Contact your nearest Newage distributor for assistance in ordering component parts. For COMPLETE generator replacement use the 200-XXXX-XX Cummins Power Generation identification number listed below.

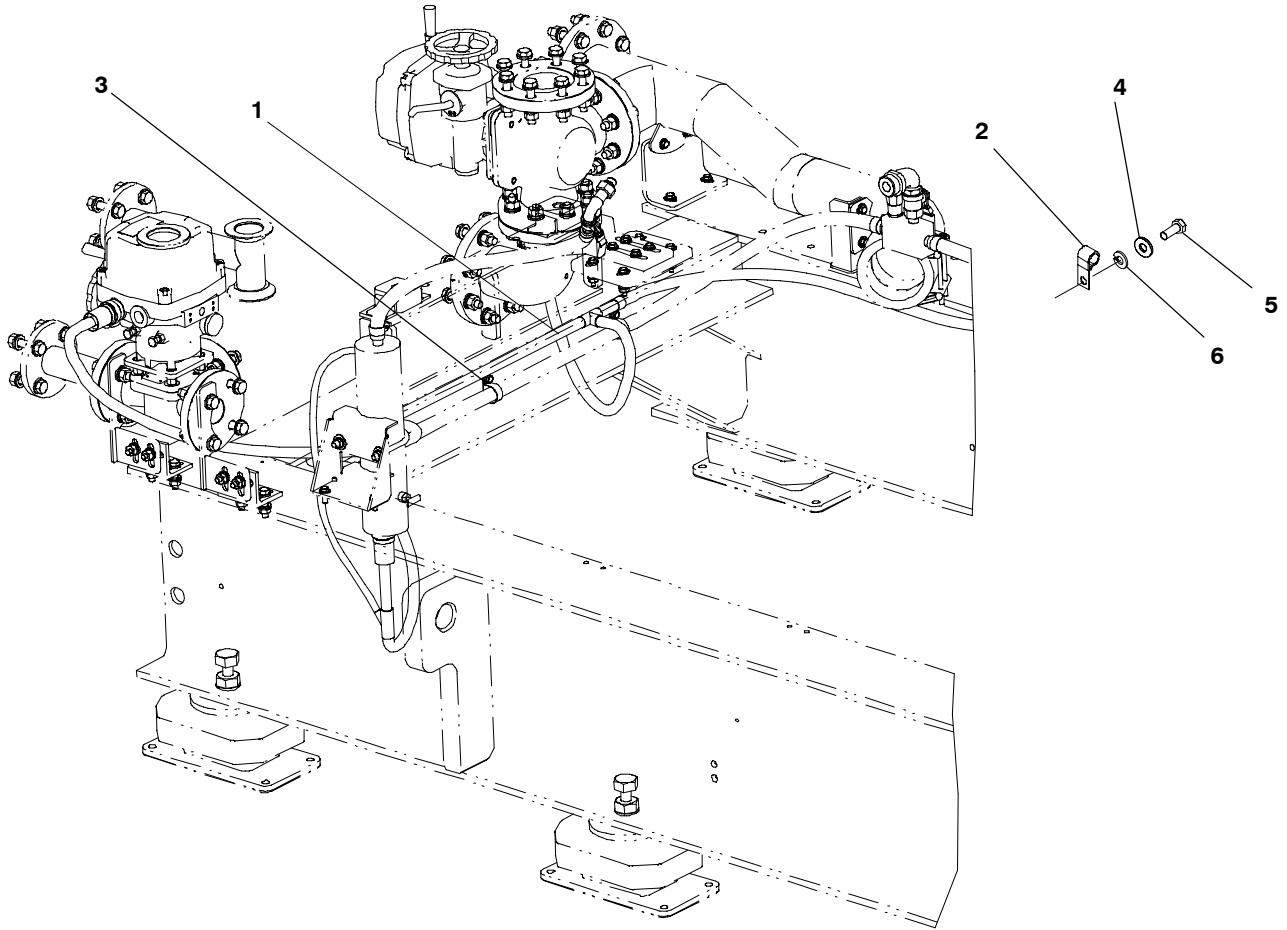
Cummins Power Generation Identification Number	Generator Model Number
200-3200-18	P734E
200-3200-32	P734F
200-3200-43	P736F
200-3200-44	P736F
200-3200-47	P736F
200-3200-48	P736F
200-3200-49	P736F
200-3200-50	P736F
200-3200-51	P736F
200-3200-52	P736F
200-3200-53	P736F
200-3200-54	P736F
200-3200-59	P736G
200-3200-67	MV734H
200-3212-07	P80R
200-3212-12	P80R
200-3212-14	P80R
200-3212-16	P80R

Generator Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0438-05	1	Cartridge, Heater (300 Watt)	9	800-2008	2	Screw, Cap – Hex Head (M5 x 16mm)
	333-0438-06	1	110/125 Volts	10	850-2003	1	Washer, Lock – Spring (M3)
2	232-3849	1	220/260 Volts	11	822-3047	1	Screw, Machine – Pan Head (M3 x 20mm)
3	332-3024-14	2	Bracket, Mounting – Heater	12	508-0228	1	Grommet
4	822-3075	2	Clamp, Loop	13	332-3023	1	Block, Terminal
			Screw, Machine – Slotted Pan Head (M4 x 16mm)	14	898-1254-25	1	Sleeving – Heater Leads (59")
5	856-0021	2	Washer – W/EIT (M4)	15	330-0142	1	Box, Terminal
6	860-2005	2	Nut, Hex (M4)	16	517-0021	1	Plug, Dot Button
7	850-2005	2	Washer, Lock – Spring (M5)	17	098-7281	1	Label, Heater Warning
8	860-2006	2	Nut, Hex (M5)				

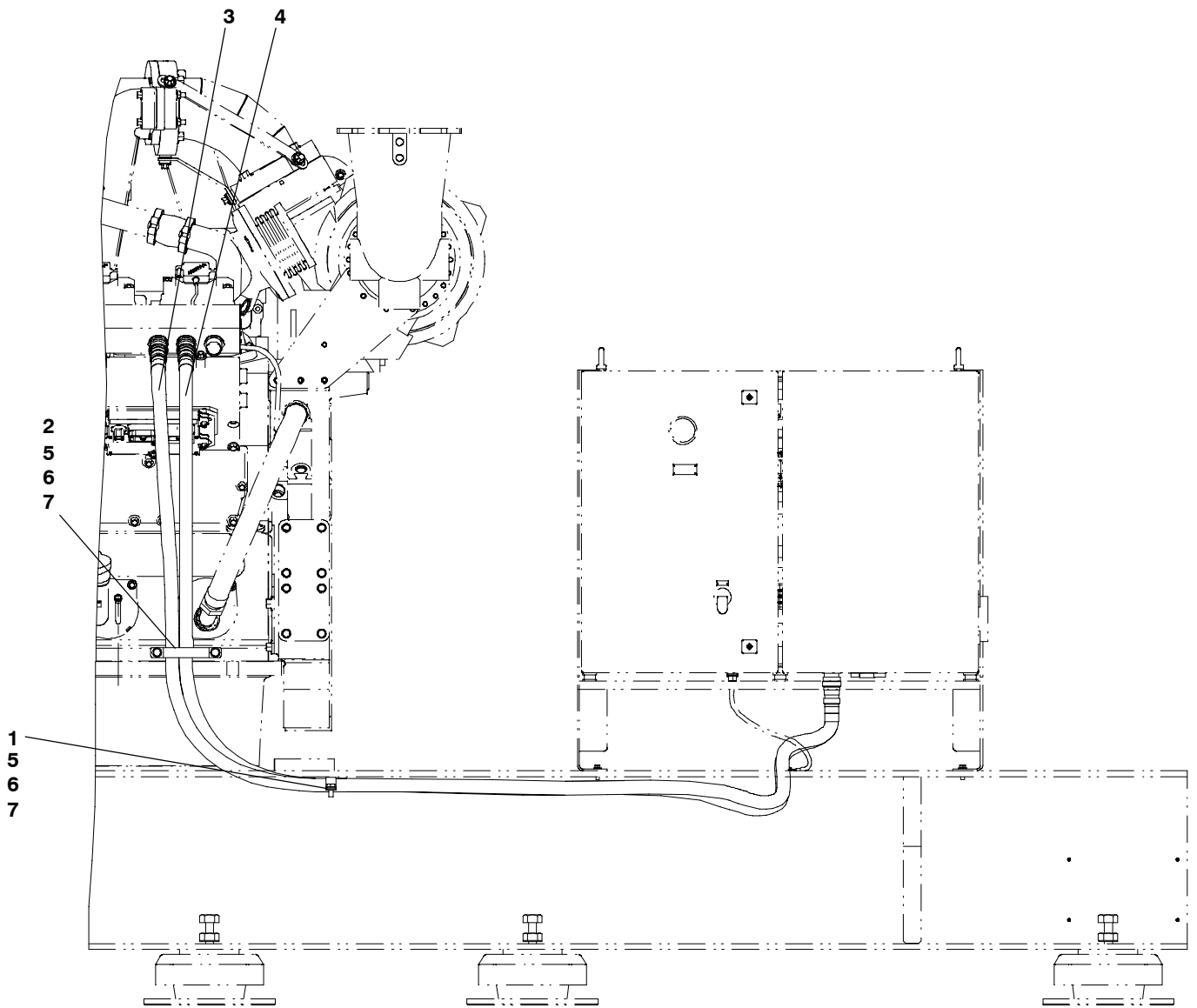
AC Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4851	1	Harness, Wiring – AC
	338-4903	1	50Hz
		1	60Hz
2	518-0548-05	5	Clamp, Hose
3	518-0548-38	2	Clamp, Hose

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	526-0399-60	5	Washer, Flat (M8)
5	800-3017-18	5	Screw, Hex Head (M8 x 1.25 x 16)
6	850-0114-54	5	Washer, Lock (M8)

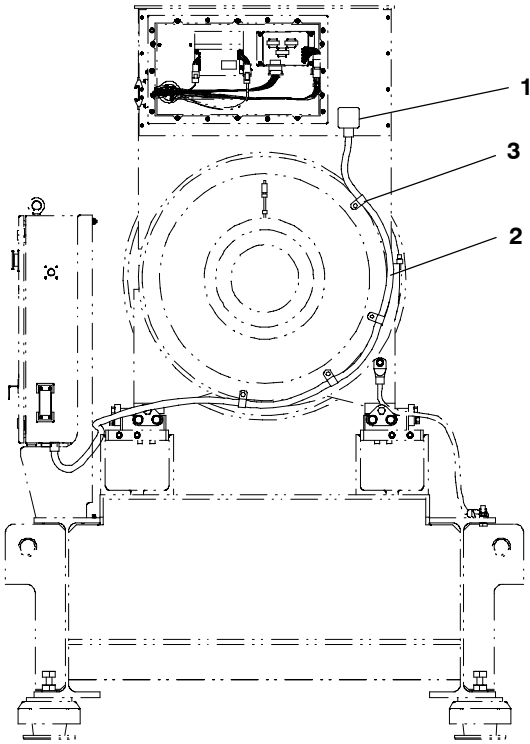
Extension Harness



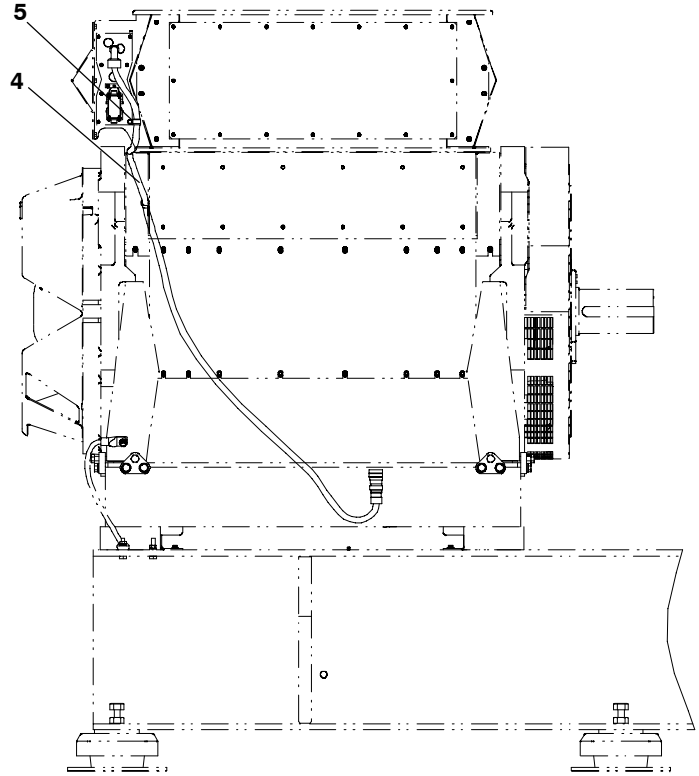
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	331-0610-02	1	Clamp, Conduit (Bed)
2	331-0611-02	1	Clamp, Conduit (Engine)
3	338-4813	1	Harness, Extension (DC1)
4	338-4814	1	Harness, Extension (DC2)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	526-0399-64	4	Washer, Flat (M12)
6	800-3017-53	4	Screw, Hex Head (M12 x 1.75 x 25)
7	850-0114-56	4	Washer, Lock (M12)

Alternator Heater Harness



P7

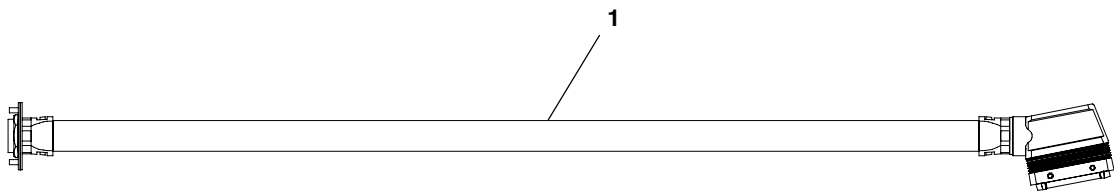


P80

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	330-0159	1	Box, Junction – P7 Alternator
2	338-4751-01	1	Harness, Wiring – Heater – P7 Alternator
3			Clamp, Hose (0.937" ID)
	518-0548-21	4	P7
	518-0548-21	1	P80

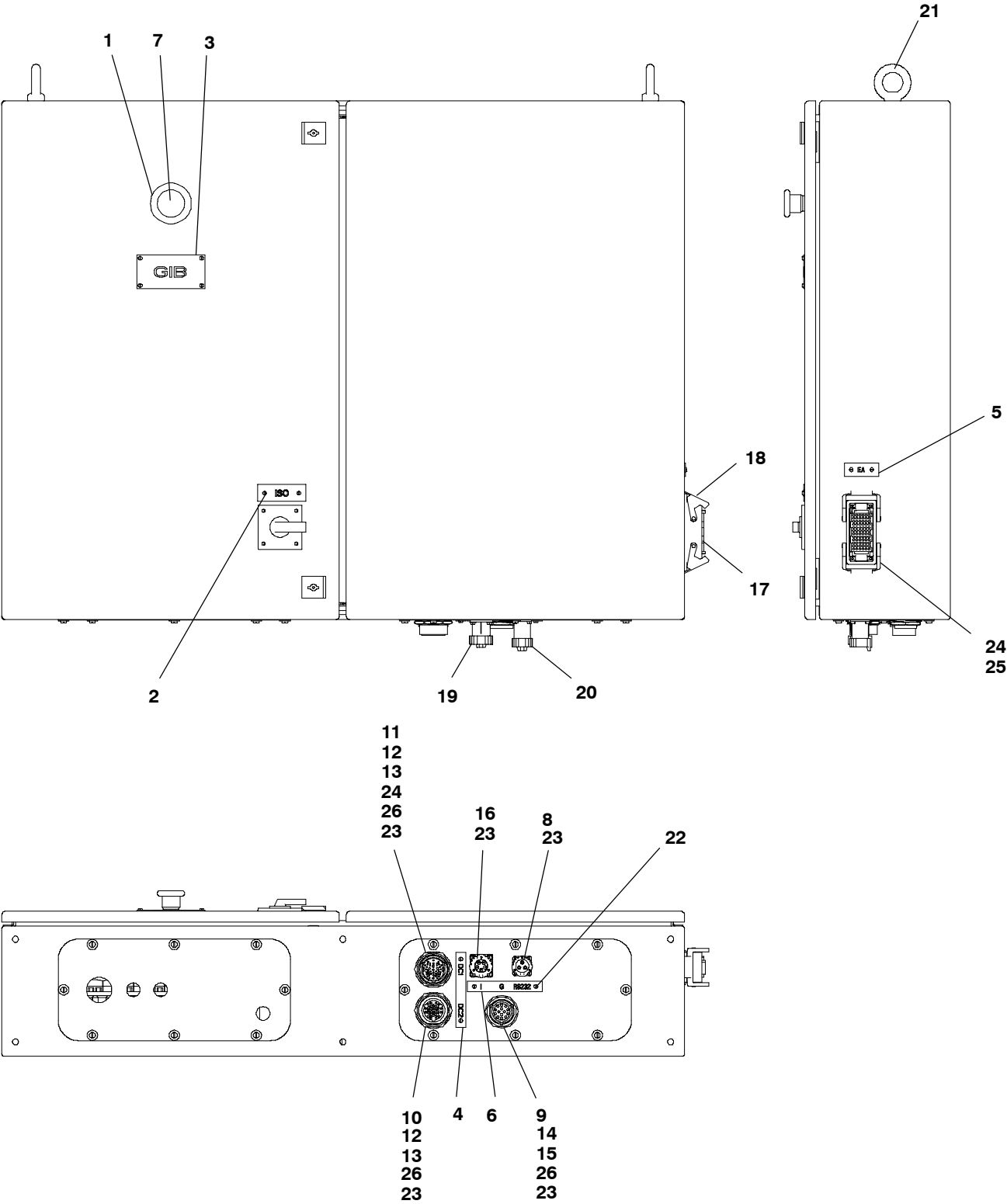
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	338-4751-02	1	Harness, Wiring – Heater – P80 Alternator
5	518-0730	1	Clip, Tube – P80 Alternator

Interface Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – Interface				11/12 Way
	338-4791-01	1	9/10 Way 5m		338-4792-01	1	5m
	338-4791-02	1	10m		338-4792-02	1	10m
	338-4791-03	1	15m		338-4792-03	1	15m
	338-4791-04	1	20m		338-4792-04	1	20m
	338-4791-05	1	30m		338-4792-05	1	30m
	338-4791-06	1	40m		338-4792-06	1	40m

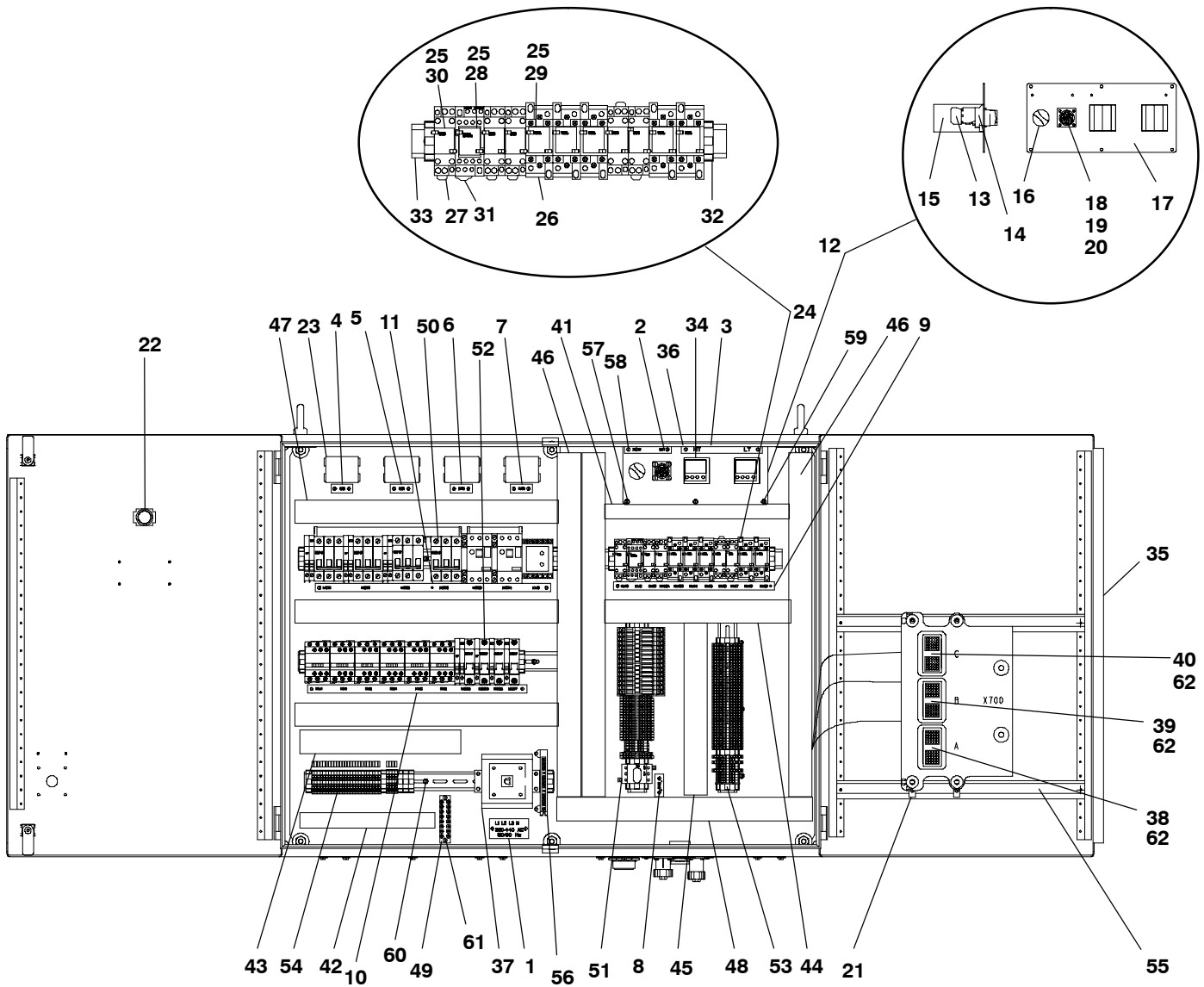
GIB Box **380V – 440V** **(Illustration #1)**



GIB Box
380V – 440V
(Parts for Illustration #1)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8238	1	Label, Unit ID	14	323-2147	1	Lock, Connector
2	098-8623	1	Label, Information	15	323-2148	1	Lock, Connector
3	098-8624	1	Label, Information	16	323-2399	1	Connector, Receptacle
4	098-8626	1	Label, Information	17	323-2402	1	Connector, Receptacle
5	098-8627	1	Label, Information	18	323-2403	1	Housing, Connector
6	098-8791	1	Label, Information	19	323-2420	1	Cap, Connector
7	308-1186	1	Switch, Pushbutton	20	323-2544	1	Cap, Connector
8	323-2057	1	Connector, Receptacle	21	403-6469	A/R	Eye, Lifting
9	323-2122	1	Connector, Receptacle	22	815-1540-03	A/R	Screw, Slotted Head (M3 x 6)
10	323-2124	1	Connector, Receptacle	23	323-2020	51	Pin, Contact
11	323-2125	A/R	Connector, Receptacle	24	323-2414	44	Pin, Contact
12	323-2126	2	Lock, Connector	25	323-2415	2	Pin, Contact
13	323-2127	A/R	Lock, Connector	26	323-2023	72	Seal, Connector

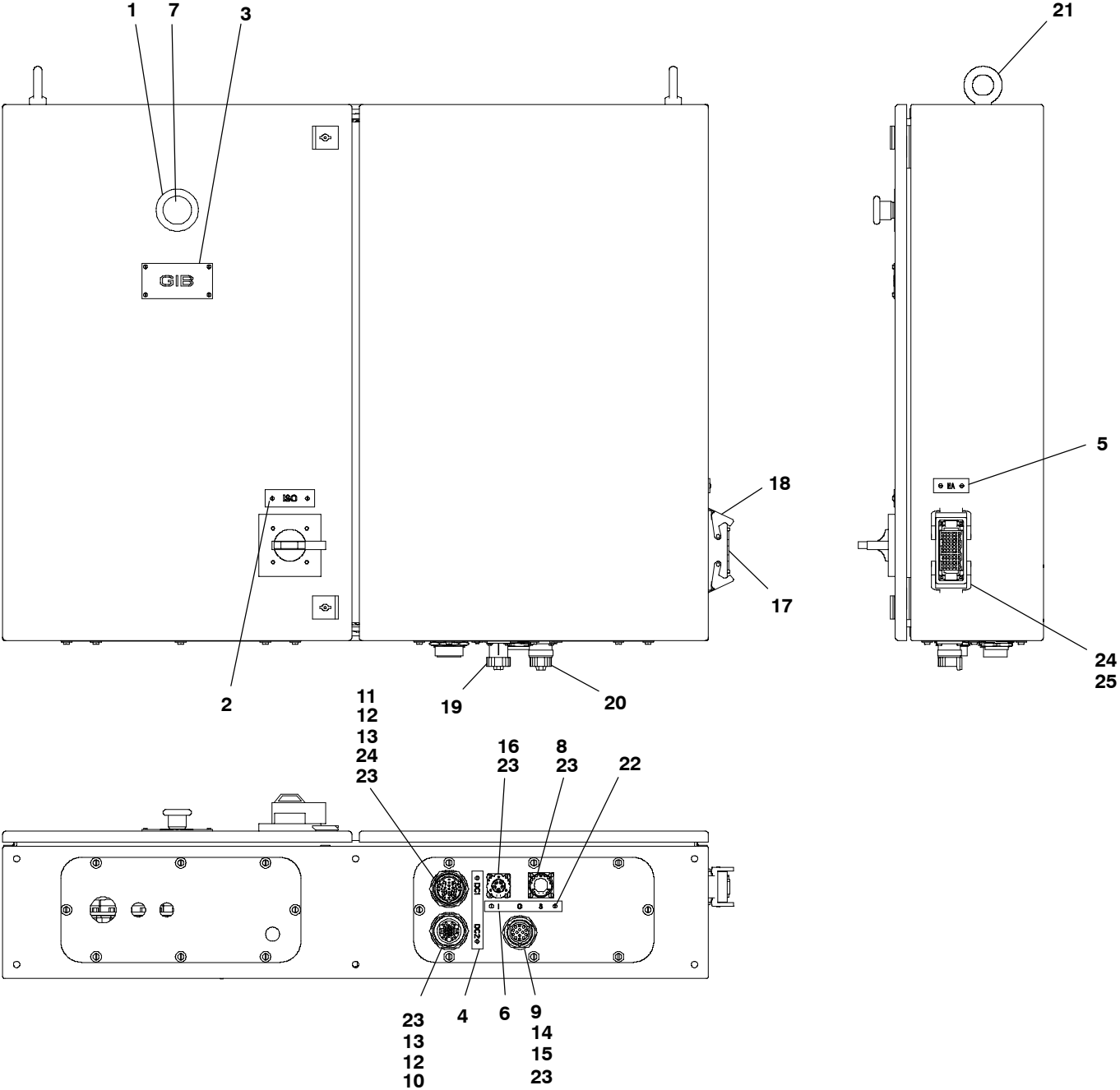
GIB Box
380V – 440V
(Illustration #2)



GIB Box
380V – 440V
(Parts for Illustration #2)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8242	1	Label, Information	38	323-2022-01	1	Connector, Receptacle
2	098-8628	1	Label, Information	39	323-2022-02	1	Connector, Receptacle
3	098-8629	1	Label, Information	40	323-2022-03	1	Connector, Receptacle
4	098-8630	1	Label, Information	41	331-0634-01	1	Duct, Wiring
5	098-8631	1	Label, Information	42	331-0634-02	1	Duct, Wiring
6	098-8632	1	Label, Information	43	331-0635-02	1	Duct, Wiring
7	098-8633	1	Label, Information	44	331-0635-03	1	Duct, Wiring
8	098-8634	1	Label, Information	45	331-0635-04 A/R		Duct, Wiring
9	098-8635	1	Label, Information	46	331-0635-05	3	Duct, Wiring
10	098-8636	1	Label, Information	47	331-0635-06 A/R		Duct, Wiring
11	098-8637	1	Label, Information	48	331-0635-07	1	Duct, Wiring
12	130-7205	1	Bracket, Thermostat (Includes Items 19 Thru 26)	49	332-4224	1	Block, Terminal
13	306-5256	2	Contact, Auxiliary	50	332-4226	1	Rail, Terminal Block – Assembly (See “A” on Separate Page for Components)
14	306-5274	1	Contact, Auxiliary				
15	307-3120	2	Relay, Temperature	51	332-4228	1	Rail, Terminal Block – Assembly (See “B” on Separate Page for Components)
16	308-1232	1	Switch, Rotary				
17	319-6427	1	Plate, Mounting				
18	323-1591	1	Plug, Connector				
19	323-2020	4	Contact, Pin				
20	323-2399	1	Connector, Receptacle	52	332-4230	1	Rail, Terminal Block – Assembly (See “C” on Separate Page for Components)
21	306-4941	4	Bracket, Rail				
22	306-4944	1	Contact, Auxiliary				
23	307-3100	4	Relay, Control – With Temperature Control	53	332-4310	1	Rail, Terminal Block – Assembly (See “D” on Separate Page for Components)
24	307-3110	1	Relay – Assembly (Includes Items 31 Thru 39)				
25	249-0819	22	Clip, Relay				
26	307-3043	5	Base, Relay	54	332-4311	1	Rail, Terminal Block – Assembly (See “E” on Separate Page for Components)
27	307-3099	5	Base, Relay				
28	307-3108	1	Relay				
29	307-3109	5	Relay, Control				
30	307-3118	5	Relay, Control	55	332-4029-02 A/R		Rail, Terminal Block
31	307-3119	1	Base, Relay	56	337-3829	1	Bar, Neutral
32	332-4021	2	Block, Terminal – End Stop	57	526-0399-54 A/R		Washer, Flat (M4)
33	332-4218-03	1	Rail, Terminal Block	58	815-1540-06 A/R		Screw, Slotted Head (M3 x 12)
34	307-3121	2	Relay, Temperature – With Temperature Control	59	815-1540-18 A/R		Screw, Slotted Head (M4 x 10)
35	319-6977	1	Box, Terminal	60	815-1540-19 A/R		Screw, Slotted Head (M4 x 12)
36	319-6428-02	1	Bracket, Control	61	815-1540-22 A/R		Screw, Slotted Head (M4 x 25)
37	320-2472	1	Switch, Disconnect	62	323-1591	20	Seal, Connector

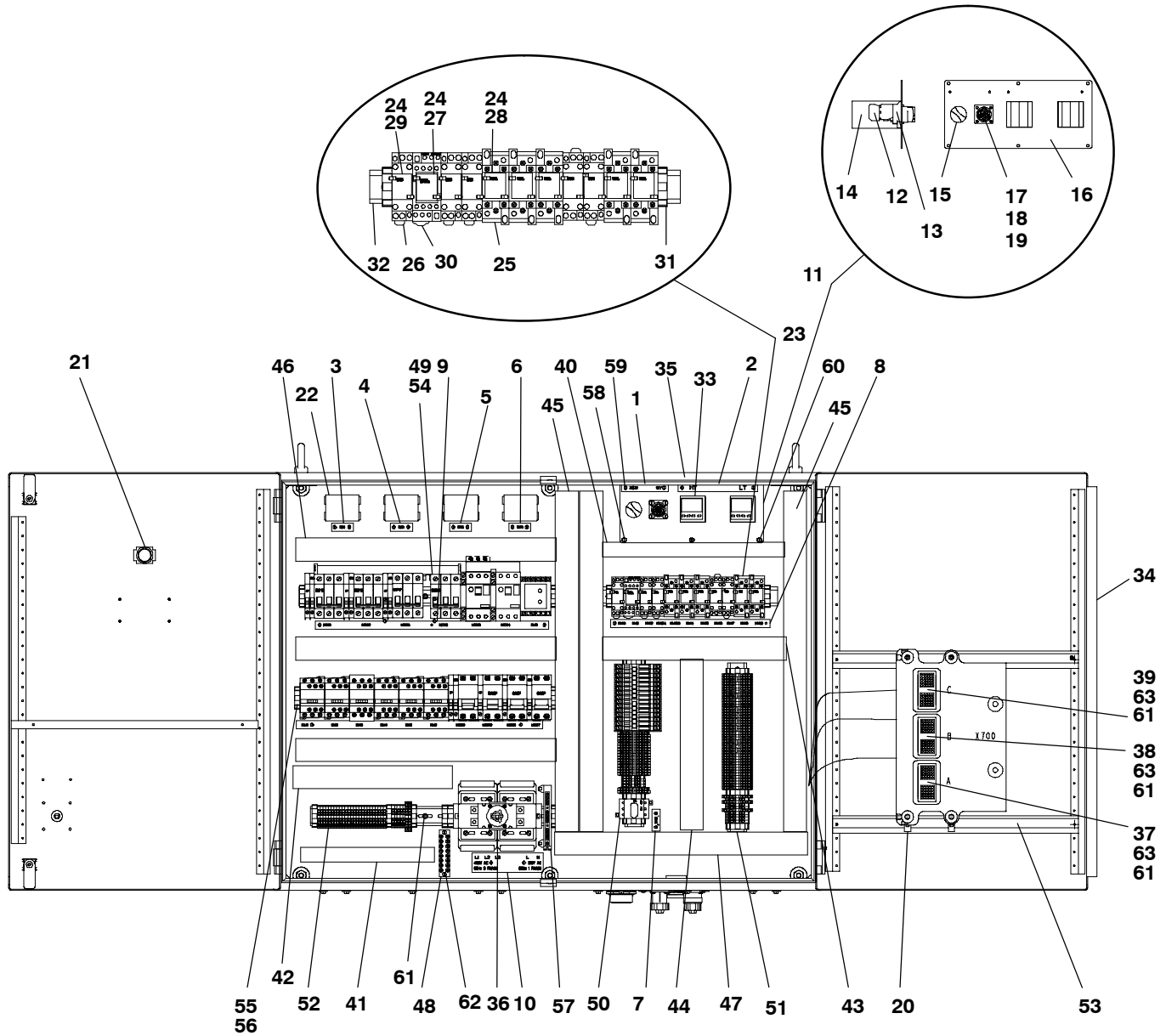
GIB Box **480V** **(Illustration #1)**



**GIB Box
480V
(Parts for Illustration #1)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8238	1	Label, Unit ID	14	323-2147	1	Lock, Connector
2	098-8623	1	Label, Information	15	323-2148	1	Lock, Connector
3	098-8624	1	Label, Information	16	323-2399	1	Connector, Receptacle
4	098-8626	1	Label, Information	17	323-2402	1	Connector, Receptacle
5	098-8627	1	Label, Information	18	323-2403	1	Housing, Connector
6	098-8791	1	Label, Information	19	323-2420	1	Cap, Connector
7	308-1186	1	Switch, Pushbutton	20	323-2544	1	Cap, Connector
8	323-2057	1	Connector, Receptacle	21	403-6469	A/R	Eye, Lifting
9	323-2122	1	Connector, Receptacle	22	815-1540-03	12	Screw, Slotted Head (M3 x 6)
10	323-2124	1	Connector, Receptacle	23	815-1540-22	2	Screw, Slotted Head (M4 x 25)
11	323-2125	1	Connector, Receptacle	24	323-2020	51	Pin, Contact
12	323-2126	2	Lock, Connector	25	323-2120	40	Pin, Contact
13	323-2127	2	Lock, Connector				

GIB Box 480V (Illustration #2)

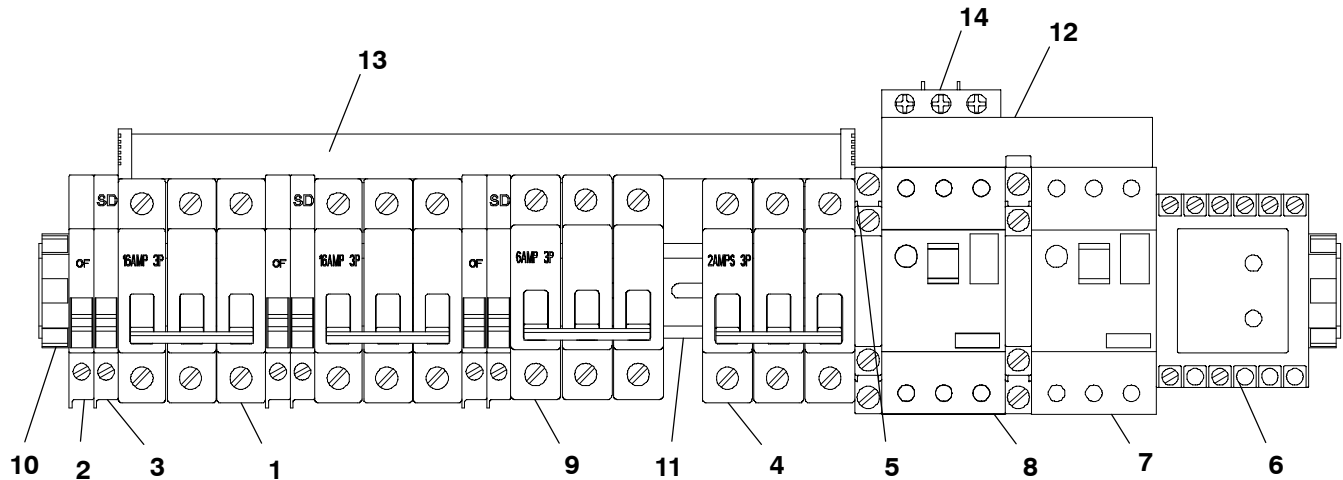


**GIB Box
480V
(Parts for Illustration #2)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8628	1	Label, Information	43	331-0635-03	1	Duct, Wiring
2	098-8629	1	Label, Information	44	331-0635-04	1	Duct, Wiring
3	098-8630	1	Label, Information	45	331-0635-05	3	Duct, Wiring
4	098-8631	1	Label, Information	46	331-0635-06	3	Duct, Wiring
5	098-8632	1	Label, Information	47	331-0635-07	1	Duct, Wiring
6	098-8633	1	Label, Information	48	332-4224	1	Block, Terminal
7	098-8634	1	Label, Information	49	332-4226	1	Rail, Terminal Block – Assembly – Without Temperature Control (See “A” on Separate Page for Components)
8	098-8635	1	Label, Information	50	332-4228	1	Rail, Terminal Block – Assembly (See “B” on Separate Page for Components)
9	098-8637	1	Label, Information	51	332-4310	1	Rail, Terminal Block – Assembly (See “D” on Separate Page for Components)
10	098-8658	1	Label, Information	52	332-4311	1	Rail, Terminal Block – Assembly (See “E” on Separate Page for Components)
11	130-7205	1	Bracket, Thermostat (Includes Items 19 Thru 26)	53	332-4029-02	2	Rail, Terminal Block
12	306-5256	2	Contact, Auxiliary	54	332-4226-01	1	Rail, Terminal Block – Assembly – With Temperature Control (See “F” on Separate Page for Components)
13	306-5274	1	Contact, Auxiliary	55	332-4333-01	1	Rail, Terminal Block – Assembly – Without Temperature Control (See “G” on Separate Page for Components)
14	307-3120	2	Relay, Temperature	56	332-4333-02	1	Rail, Terminal Block – Assembly – With Temperature Control (See “H” on Separate Page for Components)
15	308-1232	1	Switch, Rotary	57	337-3829	1	Bar, Neutral
16	319-6427	1	Plate, Mounting	58	526-0399-54	75	Washer, Flat (M4)
17	323-1591	1	Plug, Connector	59	815-1540-06	29	Screw, Slotted Head (M3 x 12)
18	323-2020	4	Contact, Pin	60	815-1540-18	14	Screw, Slotted Head (M4 x 10)
19	323-2399	1	Connector, Receptacle	61	815-1540-19	62	Screw, Slotted Head (M4 x 12)
20	306-4941	4	Bracket, Rail	62	815-1540-22	2	Screw, Slotted Head (M4 x 25)
21	306-4944	1	Contact, Auxiliary	63	323-2415	2	Pin, Contact
22	307-3100	4	Relay, Control – With Temperature Control				
23	307-3110	1	Relay – Assembly (Includes Items 31 Thru 39)				
24	249-0819	22	Clip, Relay				
25	307-3043	5	Base, Relay				
26	307-3099	5	Base, Relay				
27	307-3108	1	Relay				
28	307-3109	5	Relay, Control				
29	307-3118	5	Relay, Control				
30	307-3119	1	Base, Relay				
31	332-4021	2	Block, Terminal – End Stop				
32	332-4218-03	1	Rail, Terminal Block				
33	307-3121	2	Relay, Temperature – With Temperature Control				
34	319-6977	1	Box, Terminal				
35	319-6428-02	1	Bracket, Control				
36	320-2480	1	Switch, Disconnect				
37	323-2022-01	1	Connector, Receptacle				
38	323-2022-02	1	Connector, Receptacle				
39	323-2022-03	1	Connector, Receptacle				
40	331-0634-01	1	Duct, Wiring				
41	331-0634-02	1	Duct, Wiring				
42	331-0635-02	1	Duct, Wiring				

GIB Terminal Block Assembly

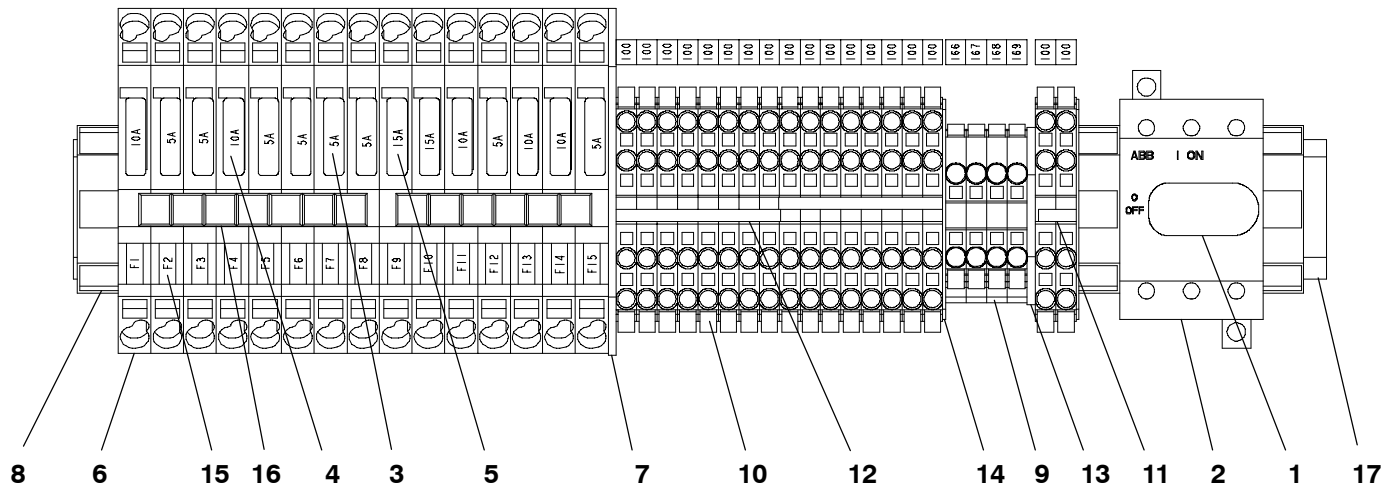
“A”



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	332-4226	1	Rail, Terminal Block – Assembly	7	320-2248	1	Breaker, Circuit
1	249-0836	2	MCB, 16A 3P	8	320-2268	1	Breaker, Circuit
2	249-0838	3	Switch, MCB Auxiliary	9	320-2408	1	Breaker, Circuit
3	249-0839	3	Switch, Auxiliary Trip	10	332-4021	2	Block, Terminal – End Stop
4	249-0845	1	Breaker, Miniature Circuit – 2A, 3P	11	332-4218-01	1	Rail, Terminal Block
5	306-5210	2	Contact, Auxiliary	12	337-3635	1	Bar, Bus
6	307-3048	1	Relay, Voltage	13	337-3894	1	Bar, Bus
				14	337-4000	1	Bar, Bus (Terminal Block)

GIB Terminal Block Assembly

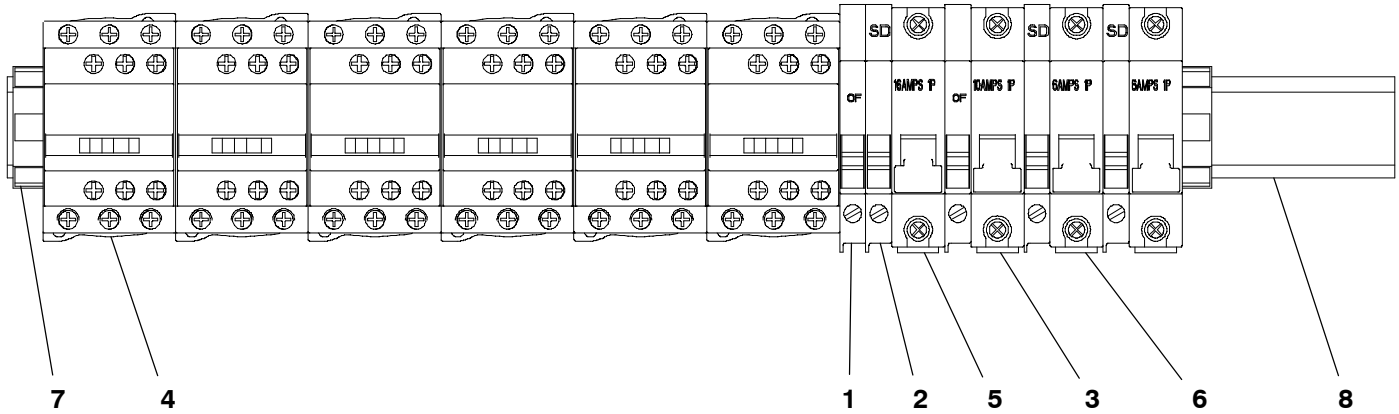
“B”



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	332-4228	1	Rail, Terminal Block – Assembly	9	332-3923-01	4	Block, Terminal – Wago
1	308-1233	1	Knob, Switch	10	332-3923-03	18	Block, Terminal – Wago
2	320-2397	1	Switch, Disconnect	11	332-3925-01	1	Jumper, Terminal
3	321-0307-03	8	Fuse, 5A	12	332-3925-07	2	Jumper, Terminal
4	321-0307-05	5	Fuse, 10A	13	332-3927-01	1	Block, Terminal
5	321-0307-06	2	Fuse, 15A	14	332-3927-03	2	Block, Terminal – End Plate
6	332-3936	15	Block, Terminal – Fuse	15	332-3939-17	59	Tag, Identification
7	332-3937	1	Block, Terminal – End Plate	16	332-3943-03	13	Jumper, Terminal
8	332-4021	3	Block, Terminal – End Stop	17	332-4218-04	1	Rail, Terminal Block

GIB Terminal Block Assembly

“C”

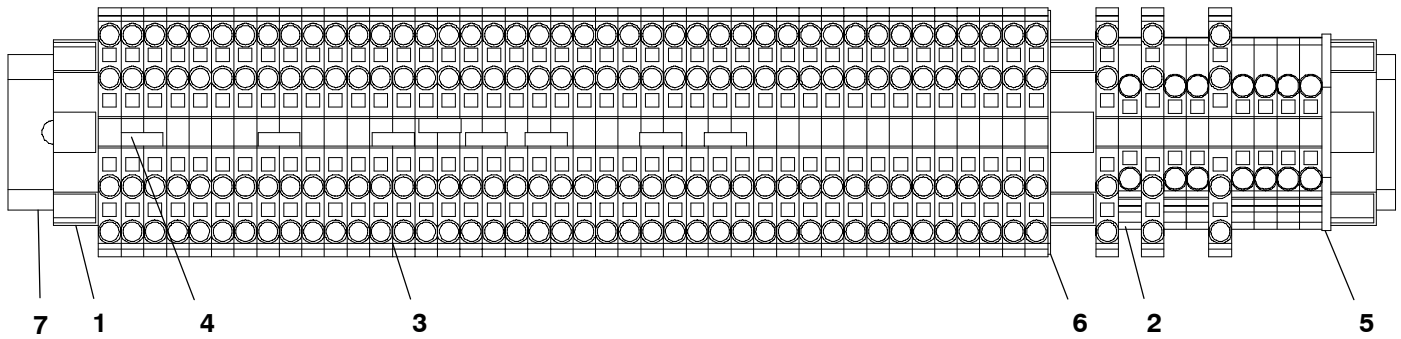


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	332-4230	1	Rail, Terminal Block - Assembly
1	249-0838	2	Switch, MCB Auxiliary
2	249-0839	3	Switch, Auxiliary Trip
3	249-0846	1	Breaker, Miniature Circuit - 10A 1P

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	306-4945	6	Contactors (LC1-D09BD)
5	320-2269	1	Breaker, Circuit
6	320-2393	2	Breaker, Circuit
7	332-4021	2	Block, Terminal - End Stop
8	332-4218-01	1	Rail, Terminal Block

GIB Terminal Block Assembly

“D”

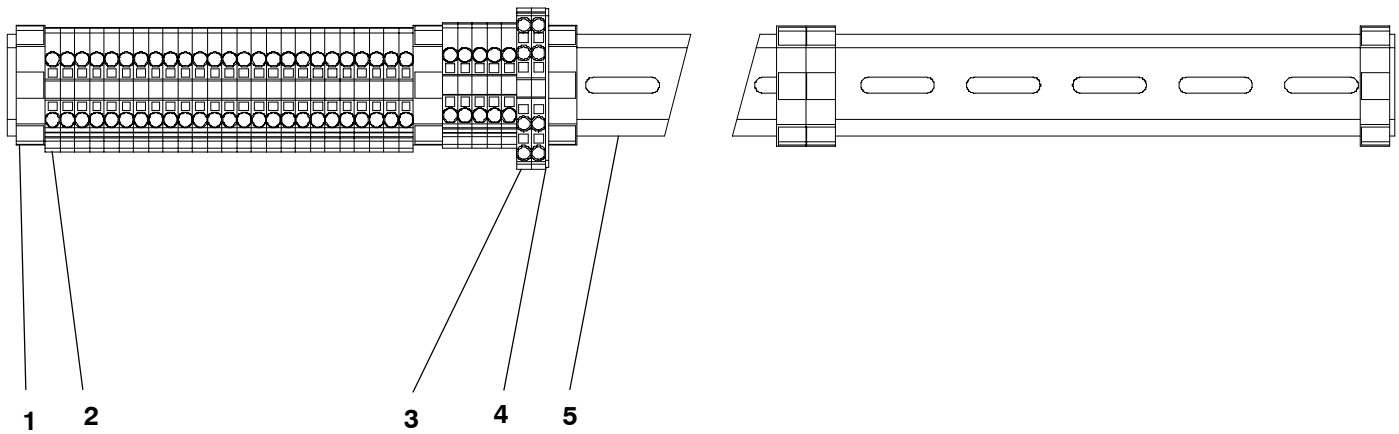


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	332-4310	1	Rail, Terminal Block – Assembly
1	332-4021	3	Block, Terminal – End Stop
2	332-3923-01	7	Block, Terminal – Wago
3	332-3923-03	45	Block, Terminal – Wago

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	332-3925-01	8	Jumper, Terminal
5	332-3927-01	1	Block, Terminal
6	332-3927-03	1	Block, Terminal – End Plate
7	332-4218-04	1	Rail, Terminal Block

GIB Terminal Block Assembly

“E”

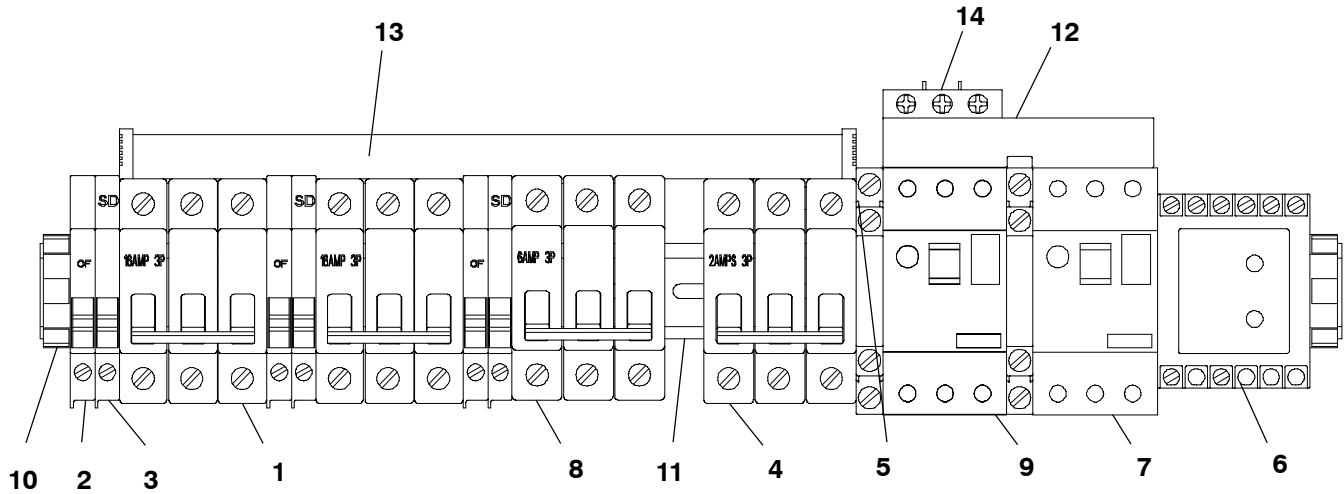


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	332-4311	1	Rail, Terminal Block – Assembly
1	332-4021	6	Block, Terminal – End Stop
2	332-3923-01	30	Block, Terminal – Wago

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	332-3923-03	2	Block, Terminal – Wago
4	332-3927-03	1	Block, Terminal – End Plate
5	332-4218-02	1	Rail, Terminal Block

GIB Terminal Block Assembly

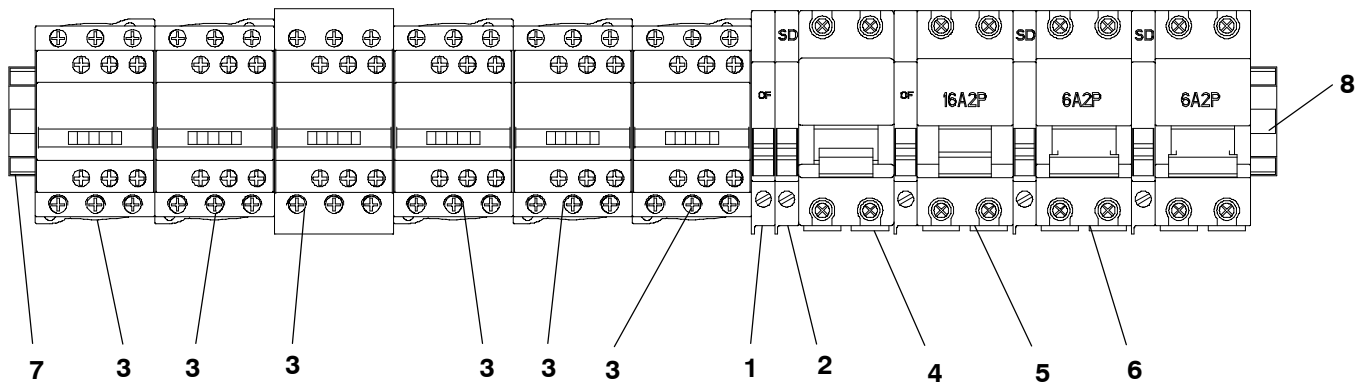
“F”



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	332-4226-01	1	Rail, Terminal Block – Assembly	7	320-2248	1	Breaker, Circuit
1	249-0836	2	MCB, 16A 3P	8	320-2408	1	Breaker, Circuit
2	249-0838	3	Switch, MCB Auxiliary	9	320-2478	1	Breaker, Circuit
3	249-0839	3	Switch, Auxiliary Trip	10	332-4021	2	Block, Terminal – End Stop
4	249-0845	1	Breaker, Miniature Circuit – 2A, 3P	11	332-4218-01	1	Rail, Terminal Block
5	306-5210	2	Contact, Auxiliary	12	337-3635	2	Bar, Bus
6	307-3048	1	Relay, Voltage	13	337-3894	1	Bar, Bus
				14	337-4000	1	Bar, Bus (Terminal Block)

GIB Terminal Block Assembly

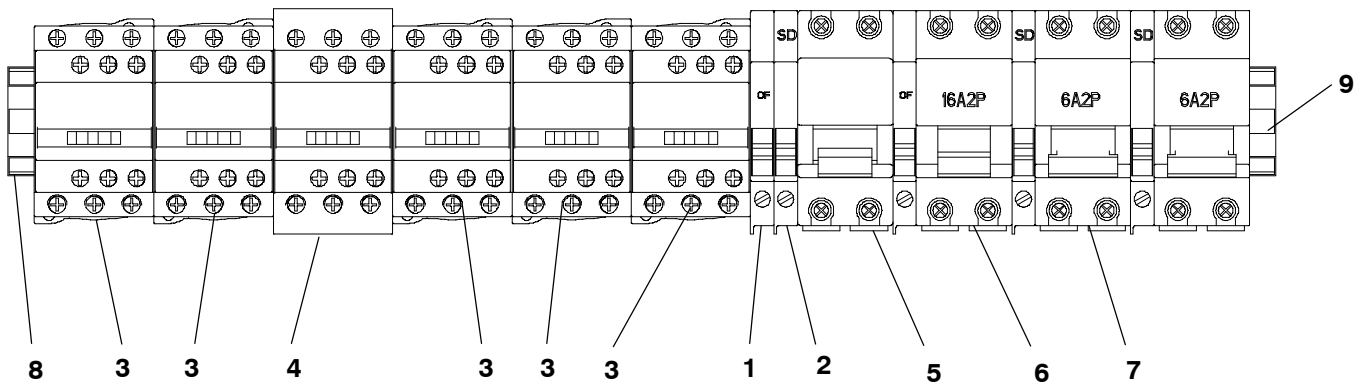
“G”



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	332-4333-01	1	Rail, Terminal Block – Assembly	4	320-2257	1	Breaker, Circuit
1	249-0838	2	Switch, MCB Auxiliary	5	320-2414	1	Breaker, Circuit
2	249-0839	3	Switch, Auxiliary Trip	6	320-2415	2	Breaker, Circuit
3	306-4945	6	Contactor	7	332-4021	2	Block, Terminal – End Stop
				8	332-4218-05	1	Rail, Terminal Block

GIB Terminal Block Assembly

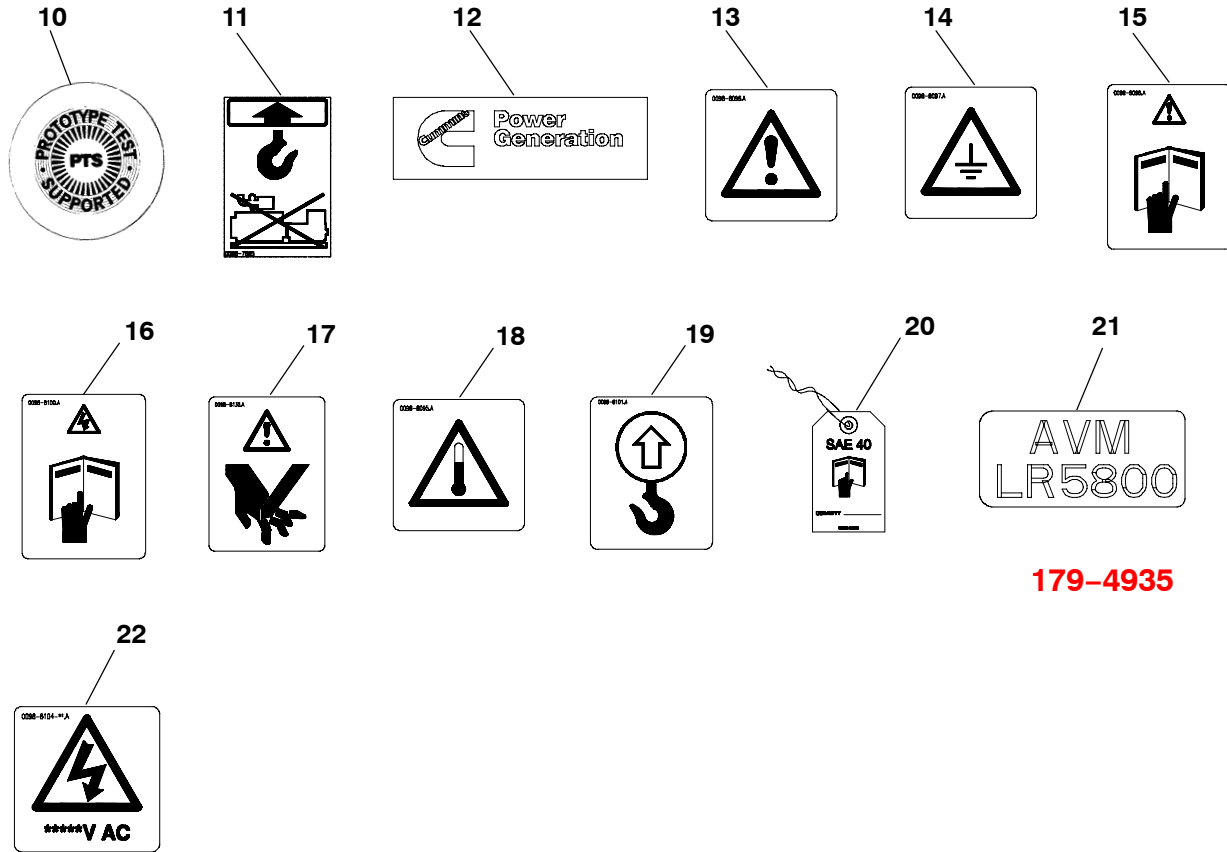
“H”



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	332-4333-02	1	Rail, Terminal Block – Assembly
1	249-0838	2	Switch, MCB Auxiliary
2	249-0839	3	Switch, Auxiliary Trip
3	306-4945	5	Contactors
4	306-5314	1	Contactors

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	320-2257	1	Breaker, Circuit
6	320-2414	1	Breaker, Circuit
7	320-2415	2	Breaker, Circuit
8	332-4021	2	Block, Terminal – End Stop
9	332-4218-05	1	Rail, Terminal Block

Miscellaneous Labels



179-4935

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	098-4500	A/R	Label – Prototype Tested	22			Label, Warning
11	098-7895	A/R	Label, Warning – Do Not Lift	098-8104-20	1	240V	
12			Label, Logo	098-8104-21	1	110V	
	098-7902-03	A/R	118.2 x 299.2	098-8104-01	1	380V	
	098-7902-04	A/R	180.6 x 457.4	098-8104-02	1	480V	
13	098-8096	A/R	Label, Warning – General	098-8104-03	1	415V	
14	098-8097	A/R	Label, Information – Earth/Ground	098-8104-04	1	440V	
15	098-8098	A/R	Label, Instruction	098-8104-05	1	480V	
16	098-8100	A/R	Label, Warning – Service Manual	098-8104-06	1	600V	
17	098-8130	A/R	Label, Caution – Rotating Parts	098-8104-07	1	3300V	
18	098-8095	A/R	Label, Warning – Hot Surface	098-8104-08	1	4160V	
19	098-8101	A/R	Label, Information – Lifting Eye	098-8104-09	1	6000V	
20	098-8263	A/R	Label, Information – Oil Fill	098-8104-10	1	6300V	
21	098-8503	A/R	Label, Information	098-8104-11	1	6600V	
				098-8104-12	1	7200V	
				098-8104-13	1	10000V	
				098-8104-14	1	10500V	
				098-8104-15	1	11000V	
				098-8104-16	1	11400V	
				098-8104-17	1	12470V	
				098-8104-18	1	13200V	
				098-8104-19	1	13800V	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
098-4500, 74		098-8543, 20, 21, 22		130-7214-02, 27, 29, 31		155-4717, 7	
098-7281, 53		098-8549, 17		130-7223-02, 27, 29, 31		155-4718, 7	
098-7895, 74		098-8550, 16		130-7224-02, 27, 29, 31		155-4734, 7	
098-7902-03, 74		098-8551, 16		130-7225-02, 27, 29, 31		155-4735, 7	
098-7902-04, 74		098-8552, 16		130-7226-02, 27, 29, 31		155-4736, 7	
098-8025, 11		098-8623, 23, 59, 63		130-7227-02, 29, 31		193-0566, 39	
098-8093, 16		098-8624, 59, 63		130-7228-02, 29		200-3200-18, 52	
098-8095, 74		098-8626, 59, 63		130-7231-02, 27, 29, 31		200-3200-32, 52	
098-8096, 74		098-8627, 59, 63		130-7232, 29		200-3200-43, 52	
098-8097, 74		098-8628, 61, 65		130-7289-02, 27, 29, 31		200-3200-44, 52	
098-8098, 74		098-8629, 61, 65		130-7290-02, 27, 29, 31		200-3200-47, 52	
098-8100, 16, 74		098-8630, 61, 65		130-7291-02, 29, 31		200-3200-48, 52	
098-8101, 74		098-8631, 61, 65		130-7292-02, 27, 29, 31		200-3200-49, 52	
098-8104-01, 74		098-8632, 61, 65		130-7293, 29		200-3200-50, 52	
098-8104-02, 74		098-8633, 61, 65		130-7306-02, 29		200-3200-51, 52	
098-8104-03, 74		098-8634, 61, 65		130-7352-02, 27		200-3200-52, 52	
098-8104-04, 74		098-8635, 61, 65		130-7353-02, 27		200-3200-53, 52	
098-8104-05, 74		098-8636, 61		130-7372-02, 35		200-3200-54, 52	
098-8104-06, 16, 74		098-8637, 61, 65		132-0475, 29		200-3200-59, 52	
098-8104-07, 74		098-8658, 65		132-0481-02, 29		200-3200-67, 52	
098-8104-08, 74		098-8660, 23		132-0482-02, 29		200-3212-07, 52	
098-8104-09, 74		098-8670, 23		133-0233, 33, 35		200-3212-12, 52	
098-8104-10, 74		098-8671, 23		140-3813, 10		200-3212-14, 52	
098-8104-11, 74		098-8672, 23		140-3814, 10		200-3212-16, 52	
098-8104-12, 74		098-8791, 59, 63		140-3815, 10		226-4852, 13	
098-8104-13, 74		102-1507-02, 39		140-4031, 10		249-0813, 14	
098-8104-14, 74		104-2077-02, 43		140-4036, 10		226-4853, 13	
098-8104-15, 74		104-2078-02, 43		140-4037, 10		226-4921-01, 47, 49, 51	
098-8104-16, 74		104-2079-02, 43		140-4049, 10		226-4956, 13	
098-8104-17, 74		120-1357, 42		140-4054-02, 10		231-0402-02, 33, 37, 42	
098-8104-18, 74		122-0862-01, 39		140-4055-02, 10		232-3849, 53	
098-8104-19, 74		122-0919-02, 41		140-4056-02, 10		232-4164-01, 47, 49	
098-8104-20, 74		123-2198, 37, 41		140-4057-02, 10		232-4164-02, 47, 49	
098-8104-21, 74		123-2204, 39		140-4058-02, 10		232-4164-03, 47, 49	
098-8107, 16		123-2205, 41		140-4059-02, 10		232-4164-04, 47, 49	
098-8130, 74		130-4546-01, 33, 35		140-4064-02, 10		232-4164-05, 47, 49	
098-8238, 59, 63		130-5391-02, 33, 35		148-1286-02, 4		232-4168-01, 51	
098-8242, 61		130-6405, 27, 29, 31		148-1326-02, 9		232-4168-02, 51	
098-8263, 74		130-7130-02, 27		154-3182, 9		232-4168-03, 51	
098-8316, 16		130-7145, 27, 29, 31		155-3451, 33, 35		232-4168-04, 51	
098-8317, 16		130-7205, 61, 65		155-3704, 7		232-4168-05, 51	
098-8318, 16		130-7212-02, 27, 29, 31		155-4109, 9		249-0806, 11	
098-8503, 74		130-7213-02, 27, 29, 31		155-4601, 7		249-0813, 15	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
249-0814, 14, 15		306-5210, 66, 71		319-6736, 23		323-2415, 59, 65	
249-0817, 15		306-5256, 61, 65		319-6741-02, 23		323-2420, 59, 63	
249-0818, 15		306-5274, 61, 65		319-6977, 61, 65		323-2544, 59, 63	
249-0819, 15, 61, 65		306-5314, 73		320-2248, 66, 71		326-0174, 13	
249-0820, 13		307-3019, 11		320-2257, 72, 73		327-1354, 12	
249-0821, 13		307-3043, 61, 65		320-2268, 66		330-0142, 53	
249-0823, 13		307-3048, 66, 71		320-2269, 68		330-0159, 56	
249-0827, 13		307-3052, 11		320-2393, 68		331-0591, 11	
249-0828, 13		307-3099, 61, 65		320-2397, 67		331-0592, 11	
249-0838, 66, 68, 71, 72, 73		307-3100, 61, 65		320-2408, 66, 71		331-0593, 11	
249-0839, 66, 68, 71, 72, 73		307-3108, 61, 65		320-2414, 72, 73		331-0594, 11	
249-0845, 66, 71		307-3109, 61, 65		320-2415, 72, 73		331-0610-02, 55	
249-0846, 68		307-3110, 61, 65		320-2420, 24		331-0611-02, 55	
249-0936, 66, 71		307-3118, 61, 65		320-2421, 24		331-0617, 37	
300-4306, 20, 21, 22		307-3119, 61, 65		320-2425, 23		331-0634-01, 61, 65	
300-4308-01, 20, 22		307-3120, 61, 65		320-2472, 61		331-0634-02, 61, 65	
300-4308-02, 21		307-3121, 61, 65		320-2478, 71		331-0635-02, 61, 65	
300-4308-03, 21		308-1045, 12		320-2480, 65		331-0635-03, 61, 65	
300-4985-01, 19		308-1135, 11		321-0307-03, 67		331-0635-04, 61, 65	
300-4985-02, 19		308-1136, 11		321-0307-05, 67		331-0635-05, 61, 65	
300-4985-03, 19		308-1137, 11, 17		321-0307-06, 67		331-0635-06, 61, 65	
300-4985-04, 19		308-1138, 17		321-0425, 11		331-0635-07, 23, 61, 65	
300-5127-02, 12		308-1139, 17		323-1591, 61, 65		331-0635-08, 23	
300-5644, 13		308-1186, 59, 63		323-2020, 59, 61, 63, 65		332-3023, 37, 53	
300-5647, 11		308-1232, 61, 65		323-2022-01, 61, 65		332-3024-14, 53	
300-5697, 13		308-1233, 67		323-2022-02, 61, 65		332-3886, 11	
300-5698, 13		309-0679, 37		323-2022-03, 61, 65		332-3890, 14, 15	
300-5716, 13		319-4745, 18		323-2023, 59		332-3895, 23, 24	
300-5793, 11, 12		319-4752, 13		323-2026, 13		332-3923-01, 67, 69, 70	
300-5830, 13		319-4763, 11		323-2028, 17		332-3923-03, 67, 69, 70	
300-6024-02, 13		319-4990-01, 18		323-2057, 17, 59, 63		332-3925-01, 67, 69	
300-6052, 11		319-4990-02, 18		323-2120, 63		332-3925-07, 67	
300-6132, 11		319-5374-02, 21, 22		323-2122, 59, 63		332-3927-01, 67, 69	
300-6339, 23		319-5630, 37		323-2124, 59, 63		332-3927-03, 67, 69, 70	
302-2009-02, 11		319-5990, 18		323-2125, 59, 63		332-3936, 67	
302-2009-03, 11		319-6014-02, 20		323-2126, 59, 63		332-3937, 67	
302-2009-04, 11		319-6197-02, 21		323-2127, 59, 63		332-3939-17, 67	
305-1007, 15		319-6202-02, 22		323-2147, 59, 63		332-3943-03, 67	
305-1019-02, 37		319-6218-02, 21, 22		323-2148, 59, 63		332-4021, 61, 65, 66, 67, 68, 69, 70, 71, 72, 73	
305-1038-02, 37		319-6278, 11		323-2399, 59, 61, 63, 65		332-4026, 37	
306-4941, 61, 65		319-6403, 11		323-2402, 59, 63		332-4029-02, 61, 65	
306-4944, 61, 65		319-6427, 61, 65		323-2403, 59, 63		332-4085-02, 14, 15	
306-4945, 68, 72, 73		319-6428-02, 61, 65		323-2414, 59			

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
332-4185, 11		338-4751-02, 56		416-1361, 23		505-2069, 41	
332-4186, 11		338-4774, 21, 22		501-0760, 37, 42		505-2070, 37, 41	
332-4187, 11		338-4775, 21, 22		501-0767, 37		505-2074, 37	
332-4218-01, 66, 68, 71		338-4776, 21, 22		501-0775, 39		505-2077, 37, 42	
332-4218-02, 70		338-4791-01, 57		501-0781, 37		505-2079, 42	
332-4218-03, 61, 65		338-4791-02, 57		501-0823, 41		505-2083, 37, 42	
332-4218-04, 67, 69		338-4791-03, 57		501-0838, 9		505-2085, 37, 42	
332-4218-05, 72, 73		338-4791-04, 57		501-0950, 39		505-2085-02, 41	
332-4224, 23, 61, 65		338-4791-05, 57		501-0973-02, 9		505-2086, 33, 35	
332-4226, 61, 65, 66		338-4791-06, 57		502-1315, 33, 35		505-2098, 33, 35	
332-4226-01, 65, 71		338-4792-01, 57		502-1318, 27, 29, 31		505-2141, 41	
332-4228, 61, 65, 67		338-4792-02, 57		502-1326, 42		505-2174, 9	
332-4230, 61, 68		338-4792-03, 57		502-1369, 33, 35		505-2203, 33	
332-4231, 24		338-4792-04, 57		502-1433, 39		505-2207, 33, 35	
332-4250, 23		338-4792-05, 57		502-1441, 37, 41		505-2225-02, 42	
332-4251, 24		338-4792-06, 57		502-1457, 35		505-2264, 27, 29, 31	
332-4252, 24		338-4813, 55		502-1475, 33, 35		505-2317, 41	
332-4253, 24		338-4814, 55		503-1872-01, 33, 35		505-2359-02, 39	
332-4254, 24		338-4851, 54		503-2203-04, 35		505-2367-02, 41	
332-4255, 24		338-4903, 54		503-2204-02, 35		508-0228, 53	
332-4310, 61, 65, 69		350-1245, 11, 12		503-2204-06, 33, 35		508-1119, 21, 22	
332-4311, 61, 65, 70		367-0386, 11		503-2204-07, 33, 35		509-0449, 47, 49	
332-4333-01, 65, 72		402-0880, 45		503-2204-08, 33		509-0478, 33, 35	
332-4333-02, 65, 73		403-4909, 42		503-2204-09, 33		512-0363-01, 51	
333-0438-05, 53		403-4911, 37		503-2204-12, 35		512-0364-01, 47	
333-0438-06, 53		403-4916, 41		503-2364, 41		512-0364-02, 47	
333-0634-02, 33, 35		403-5251-02, 39		503-2373, 41		512-0365, 49	
335-0217, 13		403-6142-02, 44		503-2518, 33, 35		517-0021, 53	
337-3582-06, 37, 41, 42		403-6143-02, 44		504-0215, 33, 35		517-0362, 12	
337-3635, 66, 71		403-6144-02, 47, 49		504-0227, 37, 39, 41, 42		518-0548-05, 33, 35, 54	
337-3829, 61, 65		403-6469, 59, 63		504-0239, 33, 35		518-0548-21, 56	
337-3894, 66, 71		405-9959, 23		504-0247, 33, 35		518-0548-25, 35	
337-4000, 66, 71		416-0446, 5		504-0261, 42		518-0548-38, 54	
338-3894, 5		416-0639, 5		504-0262, 9		518-0601, 3	
338-4312, 12		416-0680, 5		504-0294, 27, 29, 31		518-0730, 56	
338-4370, 5		416-1074, 5		504-0295, 27, 29, 31		525-0304, 3	
338-4422, 5		416-1265-02, 6		504-0301, 27, 29, 31		525-0305, 3	
338-4431, 9		416-1266-02, 6		504-0302, 27, 29, 31		525-0306, 3	
338-4432, 9		416-1267-02, 6		504-1574, 33, 35		526-0399-50, 17	
338-4680, 20		416-1357-02, 23		505-1574, 37		526-0399-52, 23	
338-4681, 20		416-1358, 23		505-2048, 37		526-0399-54, 19, 20, 21, 22, 23, 61, 65	
338-4682, 20		416-1359-02, 23		505-2061, 42		526-0399-55, 23	
338-4751-01, 56		416-1360-02, 23		505-2068, 39			

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
526-0399-56, 20, 21, 22		800-3017-20, 12		802-2545-09, 47, 49, 51		850-0114-56, 5, 9, 10, 27, 29, 31, 37, 39, 43, 47, 49, 51, 55	
526-0399-58, 35, 37, 41, 42, 43		800-3017-21, 9		805-0114-54, 12			
526-0399-60, 6, 9, 12, 23, 41, 54		800-3017-35, 37		815-0464, 33, 35		850-0114-57, 4, 7, 9, 27, 29, 31	
526-0399-62, 7, 27, 29, 31, 33, 35, 37, 41, 42		800-3017-37, 27, 33, 35		815-1540-03, 23, 59, 63		850-2003, 53	
526-0399-63, 33, 35		800-3017-38, 27		815-1540-05, 23		850-2005, 53	
526-0399-64, 5, 9, 10, 27, 29, 31, 37, 39, 43, 47, 49, 51, 55		800-3017-39, 27, 29, 31		815-1540-06, 61, 65		853-0040-57, 5, 47, 49, 51	
526-0399-66, 4, 7, 9, 27, 29, 31		800-3017-41, 7		815-1540-18, 23, 61, 65		856-0021, 53	
526-0399-70, 4		800-3017-42, 27, 29, 31		815-1540-19, 37, 61, 65		860-2005, 53	
526-0460-02, 47, 49, 51		800-3017-51, 41		815-1540-20, 20, 21, 22		860-2006, 53	
560-2546, 11		800-3017-53, 5, 9, 55		815-1540-21, 23		862-0026-50, 17	
718-1179, 51		800-3017-54, 10, 37, 43		815-1540-22, 61, 63, 65		862-0026-52, 20, 21, 22, 37	
718-1184, 47, 49		800-3017-55, 29, 31		815-1540-31, 20		862-0026-53, 23	
725-1109, 47, 49		800-3017-56, 10, 27, 39		815-1540-32, 23		862-0026-54, 41	
800-0309-55, 17		800-3017-57, 29, 31, 47, 49		821-6002-02, 21, 22		862-0026-55, 23, 41	
800-0309-77, 19, 20, 21, 22		800-3017-58, 27, 51		821-6003-02, 33, 35		862-0026-56, 7, 27, 29, 31, 33, 35, 42	
800-0309-87, 21, 22		800-3017-73, 4		822-3047, 53		862-0026-57, 10, 27, 29, 31, 39, 47, 49, 51	
800-2008, 53		800-3017-74, 29		822-3075, 53		862-0026-58, 7, 9, 27, 29, 31	
800-3017-02, 43		800-3017-76, 7		850-0114-51, 19, 20, 21, 22, 37		865-0031, 6	
800-3017-03, 37, 41		800-3017-78, 9, 27, 29, 31		850-0114-52, 20, 21, 22		865-0033, 10	
800-3017-04, 35, 42		800-3017-80, 9, 27, 29, 31		850-0114-53, 35, 37, 41, 42, 43		870-2056, 10	
800-3017-18, 54		800-3017-82, 27, 29, 31		850-0114-54, 6, 9, 41, 54		898-1254-25, 53	
		800-3017-93, 4		850-0114-55, 7, 27, 29, 31, 33, 35, 42			
		800-3017-97, 4					
		800-6288-12, 47, 49, 51					

Cummins Power Generation
1400 73rd Avenue N.E.
Minneapolis, MN 55432
1-800-888-6626
763-574-5000 International Use
Fax: 763-528-7229

Cummins is a registered trademark of Cummins Inc.



Redistribution or publication of this document
by any means, is strictly prohibited.